

# Cardinal Compliance Consultants, LLC

Health and Safety Training & Consultation

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## STATEMENT OF QUALIFICATIONS

### Environmental Health & Safety Training and Industrial Hygiene Services



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[www.cardinalhs.net](http://www.cardinalhs.net)



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## COMPANY OVERVIEW

Cardinal Compliance Consultants, LLC. (Cardinal) is an environmental health and safety training and industrial hygiene firm, located in Holland, OH. Our purpose and mission are to provide professional, quality, cost-effective services to help clients achieve and maintain occupational/environmental regulatory compliance while reducing costly injuries and illnesses and potential violations.

With over 105 years of combined experience in the environmental health and safety field, Cardinal is uniquely qualified to offer customized technical and specialized services to our clients. We are a full service environmental health and safety firm, offering specialized training, industrial hygiene, and environmental services. All personnel have extensive training and experience in their associated positions/disciplines.

We pride ourselves on the ability to provide our clients with customized professional services, 24-hours a day, seven days a week, throughout the United States, Mexico and Canada. Our experience and reputation for quality, cost-effective services and solutions has attracted a wide range of commercial, industrial, public and private firms, many of whom are repeat clients. With our unparalleled approach and competitive prices, we truly set ourselves apart from the competition.

The enclosed information represents an outline of the services we offer and the resources we possess. We appreciate your consideration of Cardinal Compliance Consultants, LLC and look forward to serving you as problem solvers and providing to you a high-quality service that our current clients have come to expect.



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## 2.0 ENVIRONMENTAL HEALTH & SAFETY TRAINING

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Environmental health and safety training is the foundation and backbone for which Cardinal was established. Our staff of experienced professionals' combine many years of experience with continuing education and training to maintain a leading edge in the rapidly evolving environmental health and safety field.

Classes are available 24-hours a day, seven days a week and may be held at your company, an off-site location or at our Corporate Office. All classes include the necessary training handouts, equipment and references to successfully complete the course and are specifically tailored to your company's needs. Our Courses are customized to address your specific requirements. The length of our courses can generally be adjusted to accommodate your specific needs, shifts and production schedules.

Our courses include (but are not limited to):

- Accident Investigation
- Aerial Lift
- Asbestos Awareness
- Back Injury Prevention
- Bloodborne Pathogens
- Caught between/Struck by
- Cold Stress
- Confined Space Entrant
  - Attendant
  - Supervisor
  - Rescue
- Control of Respirable Crystalline Silica Dust
- Crane Safety
- Emergency Action Plan
- Excavations, Trenches, and Shoring
  - Awareness
  - Competent Person
- Fall Protection
  - User
  - Competent Person



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- Fire Extinguisher Use
- Fire Prevention
- First Aid and Cardiopulmonary Resuscitation (CPR)
- General Ergonomics
- Handling the Aftermath of an OSHA Inspection
- Hazard Communication (HAZCOM)/ Globally Harmonized System (GHS)
- Hazardous Materials Response (HAZMAT)
- Hazardous Waste Operations and Emergency Response Training (HAZWOPER)- 8 and 40 Hour Classes
  - General 40 Hour Site Worker
  - General 8 Hour Site Worker Refresher
  - Managers and Supervisors 8 Hour
  - First Responder Awareness Level 4 Hour
  - First Responder Awareness Level 8 Hour
  - Hazardous Materials Technician
  - On Scene Incident Commanders
- Hearing Conservation
- Heat Stress
- Hoisting and Rigging
- Hot Work/Welding/Cutting/Compressed Gas
- Housekeeping
- How to “Not Stink” at Safety
- Lead Awareness
- Lockout Tagout Affected Employees and Authorized Employees
- Machine Guarding
- NFPA 70E/Arc Flash
- OSHA Recordkeeping
- OSHA 10 Hour Construction Safety
- OSHA 10 Hour General Industry Safety
- Personal Protective Equipment
- Power and Hand Tool Training
- Powered Industrial Truck (Forklift) Operator
- Respiratory Protection
- Safety for Supervisors
- Safety, Legal and Workers Compensation Seminars
- Safety Orientation
- Scaffolding
- Scissor Lift Training
- Spill Prevention
- Substance Abuse- Worker and Supervisor



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- Technician and Incident Commander- 8 & 24-Hour Courses
- Walking Working Surfaces

**Contact us at 419-882-9224 if there is specific course that is not on the list above.**



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## 3.0 2018 OPEN ENROLLMENT COURSES

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### February

- **NFPA 70E/Arc Flash**, Archbold, OH

### March

- **How to Fix Your Safety Program**, Holland, OH
- **Control of Respirable Crystalline Silica Dust**, Archbold, OH
- **NFPA 70E/Arc Flash**, Holland, OH

### April

- **10 Hour OSHA Construction Safety**, Holland, OH
- **Conducting Workplace Audits**, Archbold, OH

### May

- **Combustible Dust**, Archbold, OH
- **Handling the Aftermath of an OSHA Inspection**, Holland, OH

### June

- **Lockout Tagout: Are You in Compliance?** Archbold, OH
- **Control of Respirable Crystalline Silica Dust**, Holland, OH



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## July

- **Fundamentals of Industrial Hygiene**, Archbold, OH
- **How to Not Stink at Safety**, Holland, OH

## August

- **Workplace Violence and Retaliation from an OSHA Perspective**, Archbold, OH
- **OSHA 10 Hour General Industry Safety**, Holland, OH

## September

- **Safety for Supervisors Part 1**, Holland, OH
- **Safety for Supervisors Part 2**, Holland, OH
- **How to Not Stink at Safety**, Archbold, OH

## October

- **Safety, Legal and Workers Compensation Seminar**, TBD
- **Managing Safety Committees**, Archbold, OH

## November

- **Accident Investigation**, Holland, OH
- **Safety for Supervisors Part 1**, Archbold, OH
- **Safety for Supervisors Part 2**, Archbold, OH



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## December

- **OSHA Recordkeeping**, Holland, OH
- **Job Safety Analysis**, Archbold, OH

Visit <http://Cardinalhs.net/open-enrollment-classes/> for more information.





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## 4.0 2018 WEBINAR SCHEDULE

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### February

- Arc Flash- 2018 Edition -Overview
- How to Fix Your Safety Program- Overview

### March

- Control of Respirable Silica- Overview
- Arc Flash- 2018 Edition- Overview

### April

- Construction Safety- Overview
- Issues Commonly Litigated in Contest Proceedings Before the Occupational Safety and Health Review Commission

### May

- Combustible Dust- Overview
- Handling the Aftermath of OSHA- Overview

### June

- Basic Lockout Tagout
- Control of Respirable Silica- Overview
- Understanding ISO 45001
- Fundamentals of Industrial Hygiene- Overview

### July

- Hazard Communication- Overview
- How to Not Stink at Safety-Overview

### August

- Workplace Violence, Harassment and Retaliation from an OSHA and Legal Perspective- Overview
- General Industry Safety- Overview

### September

- How to Not Stink at Safety-Overview
- Excavation Safety- Overview

### October

- Managing Safety Committees- Overview



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- The ABC's of Hazard Recognition

#### **November**

- Hearing Conservation- Overview
- OSHA Recordkeeping- Overview

#### **December**

- Job Safety Analysis- Overview

Please visit <http://cardinalhs.net/webinars/> for more information.



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## 5.0 CONSULTATION SERVICES

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### Arc Flash Studies

- Cardinal provides a comprehensive arc flash study including on-site evaluation, modeling, analysis, fault currents coordination studies. Our qualified professionals can perform a detailed inspection of your plant or facility regardless of size or location throughout North America. We offer a wide variety of arc flash and electrical studies including:
  - Arc Flash Analysis
  - Motor Start Analysis
  - Electrical Power Studies
  - Short Circuit Analysis
  - Protective Device Environments
  - Power flow Studies

### Chemical Inventory and Safety Data Sheet Maintenance

- Hazardous Communication continues to be the most frequently cited OSHA regulation. In addition to a written program and training, employers are required to maintain Safety Data Sheets (SDS's) for each chemical. Cardinal's Chemical Inventory/SDS service can remove this burden from you. Our professionals visit your facility and conduct a thorough chemical inventory, identifying all readily accessible chemicals. We then create a detailed, written inventory, obtain all SDS for your chemicals and create example secondary container labels for your employees use. Cardinal can maintain your SDS's either through the traditional method of a hard copy in binders, or via our windows based online system.

### Combustible Dust Hazard Analysis (DHA)

- Cardinal offers a wide range of services related to Dust Hazard Analysis characterization, combustible dust explosion, dust combination and fire hazard prevention and mitigation. These services include combustible dust testing, onsite assessments, OSHA and NFPA compliance assistance, audit preparation, training, ignition source evaluation, vent sizing calculations and electrical component evaluation.

### Confined Space Assessments

- Cardinal's professionals are available to perform a comprehensive assessment of your confined space(s) which will provide you with specific information on each



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of your spaces that can be used in the planning and execution of confined space entries and rescues.

### **Employee Exposure Assessments and Personal Protective Equipment Evaluations**

- Designed to assist companies in determining if the current or projected exposure to a chemical substance or physical agent (e.g. noise) is adequate or necessary based on the available toxicological or analytical data collected. Personal protective equipment evaluations assist companies in determining the correct type of equipment to protect workers.

### **Environmental Reporting**

- Cardinal's professionals are available to assist you with your State Emergency Response Commissions/Tier II (SERC) Reporting as well as your Toxic Release Inventory Reporting.

### **Expert Witness Testimony**

- Cardinal is available to assist our clients when Expert Witness Testimony is required. Our staff includes Certified Industrial Hygienists, Certified Safety Professionals and Certified Hazardous Materials Managers as well as engineers and chemists. We can lend our years of experience and expertise in providing an unbiased opinion regarding health and safety matters.

### **Health and Safety Compliance Audits**

- Cardinal understands that every organization is different, and we know that an effective auditory process is unique to each individual company. We take the time to understand your specific organizational needs. Our audits identify gaps in your current program relative to regulatory requirements and program goals and objectives as well as areas of risk exposure. Our customized reports include photos of at-risk behaviors and conditions along with suggested corrective actions.

### **Health and Safety Program Development**

- Designed to assist companies with the interpretation, development, implementation and training requirements to comply with applicable OSHA, EPA, and NFPA regulations. Our list of programs include, but are not limited to, Bloodborne Pathogens Control Plan, Combustible Dust, Confined Space Entry, Electrical Safe Work Practices, Emergency Action Plan, Fall protection, Fire Prevention, Hazard Communication, Hearing Conservation, Hot Work, Lockout Tagout (Control of



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Hazardous Energy), Personal Protective Equipment, Powered Industrial Truck, Respiratory Protection, Silica Exposure Control Plan, Spill Prevention Controls and Countermeasures, and Storm water Pollution Prevention Plan. This is only a short list of the programs that Cardinal can develop.

### **Health and Safety Training Development**

- Cardinal can assist clients with the development of interactive health and safety training programs tailored to the client's needs. Our professionals take the time to learn about your company so that our training is on point and relevant to the hazards in your workplace.

### **Integrated Air Sampling**

- For clients who are required to monitor the atmosphere in which their employees are working on a routine basis or for those employees who may be exposed for a short duration to more toxic substances. Cardinal is prepared to conduct air sampling for fibers, gases, vapors, mist, dusts, bioaerosols, or fumes. Sampling schemes are adjusted to fit the needs of the client while still complying with sound Industrial Hygiene principles. All air samples requiring laboratory analysis will be sent to an AIHA accredited facility.

### **ISNetWorld/ PEC Safety Compliance Assistance**

- Cardinal eliminates the pressure of subcontractor pre-qualification by developing the necessary written documentation, safety training and other relevant material required for regulatory compliance and contractor pre-qualification. We have the expertise in ISNetWorld, PEC Premiere, PICS Auding and BROWZ.

### **Lockout Tagout Authorized Employee Audits/Skills Assessments**

- Our experienced professionals are available to help ensure that your Authorized employees truly understand the information received in training. Cardinal's professionals come to your facility and observe each Authorized employee perform a lockout tagout evolution. Afterwards, we provide you with documentation that the assessment was complete.

### **Lockout Tagout Machine Specific Procedures**

- Cardinal takes a unique approach to creating lockout-tagout procedures by taking time to understand each company's individual needs before creating a custom lockout-tagout procedure that combines safety with operational efficiency. Our



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professionals travel to your facility to visually inspect the equipment and determine isolation points. We require minimal onsite assistance and will coordinate our efforts with key personnel.

### **Noise Exposure Monitoring**

- Cardinal can provide noise exposure monitoring for determination of OSHA compliance. Our professionals will provide guidance on the type of monitoring best suited to your facility.

### **Occupational and Environmental Compliance Issues**

- Cardinal can assist clients with the abatement and/or implementation of occupational and environmental compliance issues, including OSHA Citation Review and Assessment.

### **OSHA Citation Defense**

- Our personnel have managed over 30 OSHA citation Defense Claims, saving our clients hundreds of thousands of dollars. Our experienced professionals can provide you with sound professional advice for managing your OSHA citations. Cardinal will carefully review and discuss with you the various options available to you and provide you with representation to assist in reducing or eliminating the citations and penalties, during the informal or formal contest and appeals process.

### **Respirator Fit Testing**

- Cardinal can assist clients in performing both Qualitative and Quantitative respirator fit testing.

### **Voluntary Protection Program (VPP) Preparation**

- Designed to assist our clients in their preparation for OSHA's Voluntary Protection (VPP) Program. Cardinal can perform an in-depth assessment of our client's health and safety program and make recommendations to assist in succeeding in their bid for inclusion in OSHA's VPP program.



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## 6.0 ON SITE SAFETY SERVICES

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Cardinal Compliance Consultants, LLC (Cardinal) provides high quality onsite health and safety professionals who specialize in providing safety support for major capital projects as well as smaller, short term projects throughout multiple industries. Our professionals are committed to building a pro-active culture on your projects to reduce costly incidents.

Cardinal utilizes an active nationwide database of thousands of qualified health and safety professionals to meet your project specific needs with minimal turn-around time. Our extensive network of safety professionals ranges from experienced safety managers, safety coordinators, safety technicians, as well as engineers and project managers.

Qualifications vary based on your needs but may include the following certifications and training: CSP, CIH, OSHA 500 authorized trainers, 30-hour EM385, CQM, Storm Water Pollution Prevention, Hazwoper 40, API 1169, as well a host of other specific credentials through accredited organizations including Board of Certified Safety Professionals (BCSP), United States Corp of Engineers (USACE) and American Petroleum Institute (API).

Utilizing Cardinal means that you can skip the recruiting/interview process. We are in the business of safety and have a comprehensive and unique understanding of the safety industry. This understanding enables Cardinal to provide you with the Health and Safety professional with the background, expertise, credentials and training to meet your specific needs. Our professionals are subject to background checks, drug and alcohol screenings and motor vehicle record searches. Our projects have worked an excess of 6 million man hours with an OSHA Recordable Incident Rate less than 0.35.

Our Health and Safety professionals have project experience across numerous industries and project types including:

### Industries Served

- Oil and Gas, including both mid and downstream services. Oil and gas project work has included new construction of crude storage tanks, natural gas storage facilities, pump stations, crude offloading stations, new pipeline construction, crude oil processing units such as vapor recovery, sulfur recovery, tail gas units, fuel gas recovery, as well as maintenance projects in live refinery settings.
- Electrical
- Automotive
- Pharmaceutical
- Semi-Conductor



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- Bio-Fuels
- Dept. of Defense (DOD)

Project Types Served:

- Scheduled and Emergency Plant Shutdown work
- Demolition
- New Construction
- Underground
- World Wide Contracts





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## 7.0 ON SITE MEDICAL SERVICES

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Cardinal Compliance Consultants can provide full time medical support for your site regardless of the facility or project size.

First response and patient care are always our first priority. By responding and assessing the patient at the time that the injury/illness occurs, our professionals can develop an individual treatment plan.

Cardinal offers a full range of clinical staff levels, including EMTs, Medics, RNs, and NPs to meet your individual needs. Cardinal manages the gap between first aid and the over-treatment that many employers receive from clinics and emergency rooms.

Cardinal's professionals help avoid unnecessary off-site treatment, workers compensation cases, lost time, OSHA recordable and the associated costs.

### Industries Served

- Oil and Gas, including both mid and downstream services. Oil and gas project work has included new construction of crude storage tanks, natural gas storage facilities, pump stations, crude offloading stations, new pipeline construction, crude oil processing units such as vapor recovery, sulfur recovery, tail gas units, fuel gas recovery, as well as maintenance projects in live refinery settings.
- Electrical
- Automotive
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Name:

**Richard L. Barcum, CIH, CSP, CHMM**

**Education:**

MS, 1996, Industrial Technology Education, Safety  
 BS, 1991, Industrial Science, Safety

**Active Professional License/Registration:**

Certified Industrial Hygienist – Comprehensive Practice (#8336), 2002  
 Certified Safety Professional – Comprehensive Practice (#15125), 1997  
 Certified Hazardous Materials Manager – Senior Level (#7050), 1996

**Relevant Project Experience**

**President, Cardinal Compliance Consultants, LLC (2014 - present).**  
 Develop and present numerous customized training classes to industrial and construction clientele. Courses include Hazardous Waste Operations (8, 24, and 40 hour), confined space entrant, attendant, and supervisor, confined space rescue, lead awareness and asbestos awareness. Developed and executed hazard monitoring for industrial and construction clientele. Contaminants monitored include antimony, beryllium, cadmium, chromium, cobalt, copper, iron oxide, lead, manganese, molybdenum, nickel, vanadium and zinc oxide, silica, and respirable dust.

**Principal, Buckeye Professional Staffing, LLC (2015 – present).**  
 Provide professional placement services for short term, long term or permanent positions. Place professionals specializing in primarily the health and safety and construction industry, including Project Managers, Project Engineers, Quality Control, Health and Safety Officers, Project Superintendents, Environmental Technicians, etc.

**Vice President/Safety Director, TTL Associates, (2011 – 2016).**  
 Responsible for the management of EHS consulting projects grossing > \$6M annually for a nationally recognized SDVOSB. Projects included the anticipation, recognition, evaluation and control of airborne hazards including asbestos, antimony, beryllium, cadmium, chromium, cobalt, copper, iron oxide, lead, manganese, molybdenum, nickel, vanadium and zinc oxide ad, beryllium, cadmium. Supervised a staff of over 40 ES&H professionals. Clients included Dept. of Veterans Affairs, Department of Navy and various commercial clients.

**Division Health and Safety Manager, Johns Manville, Engineered Products Americas Division (2011-2013).** Responsible for the division-wide development, implementation and enforcement of a proactive health and safety program. Performed periodic health and safety inspections. Conducted air monitoring for a variety of contaminants including silica,

**Experience**

- 26 years of experience in the anticipation, recognition, evaluation and control of workplace hazards
- 26 years of experience developing and implementing H&S programs at hazardous waste sites nationwide for the US Navy (EFA Midwest EJOCs I & II), USACE, VA and other federal clients.
- 26 years of experience with federal, state, and local occupational safety and health and environmental regulations.
- 26 years of experience developing PPE and air monitoring programs for work involving solvents, POLs, toxic metals, acids/bases, reactives, PCBs, UXO/OE, pesticides, asbestos, and lead-based paint.
- Specialized training in personal & respiratory protective equipment (PPE Levels A, B, C, and D), safety program management, hazard



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lead, formaldehyde, and respirable dust.

**President, Hawkum, LLC (2007 – 2013).** Developed and presented numerous customized training classes to industrial and construction clientele. Courses included Hazardous Waste Operations (8, 24, and 40 hour), confined space entrant, attendant, and supervisor, confined space rescue, lead awareness and asbestos awareness. Developed and executed hazard monitoring for industrial and construction clientele. Contaminants monitored include lead, cadmium, manganese, silica, respirable dust.

**Corporate Health and Safety Director, TolTest, Inc. (1999-2011).** Responsible for corporate-wide development, implementation, and enforcement of a proactive health & safety (H&S) program. Managed all aspects of safety program including Respiratory Protection Program, Hazard Analyses, Program-/Project-Specific H&S Plans, and the Safety Training Program. Provides direct support of safety programs to include unannounced safety audits in support of federal contracts. Solicits and integrates ideas and information from personnel to ensure a high level of safety awareness and enforcement at all levels through defining the scope of work, identifying and analyzing hazards, identifying and implementing controls, and through performing the work. Updated training, performed periodic safety audits, and provides support for project managers, superintendents, and workers. Has broad-based federal and state regulatory experience including extensive work with OSHA Construction and General Industry Standards, RCRA, ANSI, NFPA, and Worker's Compensation Law. Projects included the historical renovation of over 60 buildings contaminated with lead-based paint. Provided oversight and direction for all aspects of the lead program including training, biological monitoring, and the collection of over 2,000 lead in air samples and over 1,000 lead wipe samples.

**Regional Safety Manager, IT Group, Inc. (1998-1999).** Developed, implemented, and managed the H&S program for a 9-state, 250-employee region for a large environmental remediation firm. Developed and delivered all OSHA-required training including 40- and 8-Hour Hazardous Waste Operations, Confined Space Entry, Fall Protection, Respiratory Protection, Hazard Communication, and Bloodborne Pathogens. Developed H&S plans for environmental projects including facility decontamination and demolition; hazardous waste landfill excavation, capping, and O&M; and installation of contaminated groundwater treatment systems. Managed several Site H&S Officers providing H&S support to environmental remediation projects. Project clientele included USACE, DOE, USAF, Army, and several commercial clients.

**Safety Manager, IT Group, DOE, Rocky Flats Environmental Technology Site, Environmental Remediation Contract, Colorado (1998-1999).** Responsible for development and implementation of a H&S program, including the Respiratory Protection Program for a

communication, ergonomics, hearing conservation, lockout/tagout, fire safety and electrical safety.

- Certified Industrial Hygienist – Comprehensive Practice (#8336), 2002, American Board of Industrial Hygiene
- Certified Safety Professional – Comprehensive Practice (#15125), 1997, Board of Certified Safety Professionals
- Certified Hazardous Materials Manager – Senior Level (#7050), 1996, Institute of Hazardous Materials Management

### Training

- Authorized OSHA 10 and 30-hour Construction Safety Trainer
- Authorized OSHA 10 and 30-hour General Industry Safety Trainer
- Management Oversight and Risk Tree (MORT) Analysis
- Dept. of Energy Radiation Worker II
- OSHA 40 hr. HAZWOPER
- OSHA 8 hr. HAZWOPER Supervisor
- OSHA 8 hr. HAZWOPER Refresher
- OSHA HAZWOPER Technician
- OSHA HAZWOPER Incident Commander
- OHIO BWC Controlling Workers Comp. Costs
- Confined Space Entrant,



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competitively bid, 3-year contract, including the development of all H&S Plans. This contract included the successful completion of TOs involving the installation of three contaminated groundwater treatment systems and the modification of an existing facility to allow for the storage of drums containing mixed (hazardous/radioactive) waste.

**Safety Supervisor, USACE, Total Environmental Restoration Contract, Pueblo Chemical Depot, Fort Carson Army Depot, Rocky Mountain Arsenal, Colorado (1995-1997).** Responsible for the implementation of the corporate H&S program (including the Respiratory Protection Program). Responsible for assistance with cost estimating for environmental remediation TOs, asbestos abatement, and project management. Administered training and biological monitoring programs. Performed routine H&S inspections to ensure compliance with OSHA and USACE H&S regulations. TOs successfully completed under this contract included demolition of 40 buildings contaminated with crystallized trinitrotoluene (TNT) and dinitro toluene (DNT), lead, cadmium, chromium, silica, nitric acid, and asbestos; the bioremediation of TNT-contaminated soils; the excavation and capping of three hazardous waste landfills; the demolition of three 100,000-gallon ASTs and a hazardous waste incinerator; and the remediation of two solar evaporation ponds. All sites were contaminated with varying levels of pesticides, lead, cadmium, hydrazine, and ammonia. Conducted all air monitoring.

**Safety Supervisor, US Navy, Environmental Remediation Contract, Johnston Atoll (1994).** Responsible for the implementation of corporate H&S program for TO for the removal, stabilization, and solidification of approximately 15,000 cubic yards of lead-contaminated ash. Administered training and biological monitoring programs. Conducted all air monitoring. Performed routine H&S inspections to ensure compliance with OSHA regulations. TO was executed with personnel in Level C PPE in the summer months.

**Safety Supervisor, USACE/EPA, Bunker Hill Mine Superfund Site, Kellogg, Idaho (1994).** Responsible for the implementation of corporate H&S program for TO that consisted of the demolition of 80 buildings contaminated with lead, cadmium, arsenic, zinc, chromium, mercury, asbestos, hydrochloric acid, and sulfuric acid. Administered training, medical surveillance, and biological monitoring programs. Conducted air monitoring for all contaminants. Performed routine H&S inspections to ensure compliance with OSHA and USACE regulations.

**Safety Supervisor, US Navy, Environmental Remediation Contract, New London Submarine Base, Connecticut (1995).** Responsible for the implementation of a H&S for TO encompassing the excavation of soils contaminated with lead, PCBs, and polyaromatic hydrocarbons (PAHs). Conducted air monitoring, administered training program, and

Supervisor, Attendant,  
 Rescuer

***Publications/Presentations***

- Presenter - 2003 Ohio Self Insured Conference, Columbus Ohio – [Accident Reconstruction – What You Do in the First 5 Minutes Can Save You \\$5 Million.](#)
- Presenter - 2004 Sheakley Uniservice Safety Day, Maumee, Ohio – [Effective Use of a Safety Program to Avoid Costly Workers Compensation Claims](#)
- Presenter - 2004 Sheakley Uniservice Safety Day, Maumee, Ohio – [How to Prepare for An OSHA Inspection](#)
- Presenter – 2011 Toledo Safety Day, Toledo, OH – Occupational Exposures – [Lead, Silica, and Hex](#)
- Presenter – 2012 Toledo Safety Day, Toledo, OH – [Hearing Conservation](#)
- Presenter – 2014 Toledo Safety Day, Toledo, OH – [Noise Monitoring](#)
- Presenter – 2015 Toledo Safety Day, Toledo, OH – [Selling Safety as a Value](#)
- Technical Reviewer – [Construction Safety Management and Engineering, 1<sup>st</sup> Edition,](#) American Society of Safety Engineers, Darryl C. Hill, CSP Editor; Published 2004



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performed routine H&S inspections to ensure compliance with OSHA regulations.

**Safety Supervisor, Ames Laboratory, Ames, Iowa**

Safety Supervisor for USACE/DOE contract which involved the excavation of eight (8) landfills created during research for the Manhattan Project, contaminated with radioactive materials, pyrophoric metals and asbestos at the Ames Laboratory, including the excavation of over two hundred (200) drums of radioactive waste and pyrophoric metals and over thirty (30) laboratory packs of miscellaneous chemicals. This project required regular interaction with the public and media in the form of bi-weekly status Question and Answer forums. This project included a State of Iowa OSHA inspection (#115072282) which resulted in no safety and health violations.

**Safety Supervisor, Weldon Spring RAP, Weldon Spring, Missouri**

Safety Manager for DOE contract which consisted of the decontamination and dismantlement of eleven (11) buildings contaminated with radioactive waste and asbestos at the Weldon Spring Remedial Action Project Superfund Site.

**Safety Engineer, Idaho National Engineering Laboratory, Idaho Falls, Idaho**

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Name:

**Jeffrey Bodi**

**Education:**

Associates Degree, Environmental Health & Safety,  
 Owens State College, 2008  
 B.S., Chemistry, University of Toledo, 1983

**Relevant Project Experience**

**Senior Health & Safety Consultant, Cardinal Compliance Consultants, LLC (2017 - Present)** Manage Health and Safety Programs for multiple manufacturing and construction clients.

**Health and Safety Manager, Heritage Environmental Services (2015-2017)**

Managing H&S program for multidisciplinary work force

**Corporate EH&S Manager, Sunpro (2014-2015)**

Managed H&S program for 5 service centers, >100 employees in PA, OH, IN

**Senior Safety Specialist, SWS Environmental Services (2008-2014)**

Managed regional health and safety activities and training.

**Coordinator, Brand Energy & Infrastructure (2008-2008)**

Managed health and safety activities for up to 60 craft personnel at a refinery

**Student/Adjunct Instructor, Owens Community College (2007-2008)**

Provided OSHA 30-hour General Industry instruction to undergraduates

**Operations Manager, C & W Tank Cleaning Co. (2005-2007)**

Managed daily operations for petrochemical and industrial service company

**Experience**

- NIMS/ICS 100, 200, 700, 800
- Crane Safety Institute Training
- Excavation Competent Person
- OSHA 8-hour Hazwoper Instructor
- OSHA 40-hour Hazwoper Instructor
- Fall Protection Competent Person
- Emergency Hazmat Response
- Roadway Worker Training Facilitator
- Advanced Railcar Specialist
- OSHA 30-hour General Industry



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**Project Manager, Ontario Specialty Contracting (2004-2005)**

Managed construction of Subtitle D landfill.

**Superintendent, OH Materials (1994-2004)**

Managed construction, safety and training, schedule, budget, waste Management, transportation and disposal

**Field Services Manager, American NuKem Corp. (1991-1994)**

Managed waste sampling, characterization, analysis, transportation and disposal processes for 3 TSDF's owned and operated by American NuKem

**Project Supervisor, OH Materials Co. (1986-1991)**

Managed construction, safety and training, schedule, budget, waste management, transportation and disposal

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Name:

**Thomas F. Hamstreet**

#### Education:

BSEE, Michigan Technological University, Electrical Engineering, 1974

BSEA, Michigan Technological University, Engineering Administration, 1974

#### Active Professional License/Registration:

Professional Engineer stage - 1 completions, 1974

#### Relevant Project Experience

**Electrical Safety Consultant, Cardinal Compliance Consultants, LLC (2014 - Present).** Providing services in Arc Flash Analysis, Electrical Safe Work practices manuals and training classes and LOTO.

**Electrical Safety Consultant, Regulatory Compliance Consultants, Inc. (2013 – 2014).** Providing services in Arc Flash Analysis, Electrical Safe Work practices manuals and training classes and LOTO.

**Managing Partner/Owner, GRN of Sylvania (2006 – 2013).** Led and coordinated all activity to recruit engineers and senior management personal to fill openings for key clients

**Project Timing Recovery Specialist, Alis Corporation (2005-2006).** Provided technical direction for sequencing Instrument Panel molds for the GMX 211 project.

**Vice President/Chief Engineer, ASC Incorporated (2000 – 20004).** Provided the strategic direction for technical development of this two-month old division into a leading low volume, high quality molding, painting and assembly supplier of Class “A” body panels. Directed all Composite System’s manufacturing processes and cost estimates. Tracked capacity utilization and planned for expansion. Developed capital budgets with plant managers to support new projects and support division’s financial plan for sales, RONA, and EBITA.

**Co-Owner/President, Modern Tooling Systems (1995-1999).** Led and coordinated all financial, manufacturing, and sales activity for this newly acquired company. Orchestrated the purchase of and successfully led the management team buyout to establish the Tooling Division of Libby-Owens-Ford Company as a stand-alone

#### Experience

- 43 years of experience in the electrical engineering field.
- Extensive experience performing electrical safe work practice training including Lockout Tagout and Arc Flash
- Development and implementing electrical safety programs

#### Training

- Various training seminars and programs
- Tom Peters and Covey Management seminars
- Empowered Leadership training by Bob Anderson and Ford Supplier Quality Improvement Programs, which focused on the dimensional control strategy process, control evaluation techniques and the APQP process.

#### Publications/Presentations

- Presenter – 2013 Toledo Safety Day, Toledo, OH – [Revisions to NFPA 70E 2012](#)
- Presenter – 2000 Composite Fabricators





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organization. Reduced direct labor costs by 50% and lowered the average build time by 10 weeks. First tool shop to receive Eagle Picher Industries “Supplier of the Year” award. Provided training and start-up assistance for two companies entering compression molding. Led the liquidation of the company upon the decline of its top five customers.

**General Manager, Modern Tooling System/Tooling Division of Libby-Owens-Ford Company (1994-1995).** Recruited by management to manage and control losses

of this self-contained division. In charge of operations, P&L, existing contracts, WIP, and liquidation of assets during sale of company. Led the turnaround of this division to profitability within a six-month period after four years of operating losses and tripled quoting activity by introducing industry contacts. Developed an aggressive nine-month restructuring plan for the sale of the company, overcoming a first quarter loss of \$250,000 to profitability of \$500,000. Successful turnaround led to the sale of the division for 5.5 times best prior offer.

**Advanced Programs Manager, Autodie Corporation (1993-1994).** Recruited by management based on industry reputation of product knowledge and engineering achievements; received numerous promotions of increasing responsibility Directed the project engineering, scheduling, project management, and estimating functions. Managed the development of a “full-service manufacturing” marketing strategy and expanding the pre-sourced tooling contracts for the combined capacities of Autodie and Progressive Tool. Developed the “full-service manufacturing” marketing strategy using a combination of domestic and offshore tooling sources. Authored and presented the “full-service manufacturing” concept, winning a major contract with Ford and establishing sales opportunities with Chrysler, Kenworth, MascoTech, Mack Truck and Freightliner.

**General Manager of Plastics, Autodie Corporation (1993).** Responsible for estimating, design, and project management of all plastic tooling projects for molds and secondary tooling. Grew the backlog in plastics from \$300,000 to \$3 million, moving the company into an industry leadership role in compression molds. Facilitated the successful implementation of the company’s strategic plan, re-establishing the plastics group during the new ownership transition.

**Director of Project Management & Estimating, Autodie Corporation (1991-1993).** Directed project managers and customer relationships to ensure all projects adhered to established

Association – [Low Press on Compression Molding](#)

- Presenter – 1990 Furniture Manufacturer Association – [Automotive Assembly and Bonding](#)



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specifications, budgets, and schedules. Reduced manufacturing costs by 18% through prototyping hard tool designs, builds, and tryouts. Solidified customer relations resulting in customers paying Chapter 11 costs until the sale of company was finalized.

**Proposal Manager, Autodie Corporation (1990-1991).** Oversaw all proposals for four tooling groups, including proposal review, feasibility assessment, and coordinating the team approach for non-standard requests. Directed the development, implementation, and utilization of personal computer workstation for proposal development and reporting systems applications. Grew department from a staff of five to eight increasing the ability to respond in a timely manner to the increased number of proposals. Worked cross-functionally with accounting to develop cost accumulation reports for project tracking and feedback. Played a key role and assisted the sales team in re-establishing solid relationships with three mold customers and reacquiring business. Led the operational performance restructuring by incorporating TQM concepts.

**Advanced Programs Engineer, Autodie Corporation (1988-1990).** Provided technical and project expertise on plastic automotive programs, sales contacts, and tract plastics programs at Ford, GM Truck and Bus Group and Chrysler as well as technical direction on the Ford Bronco Roof bonding system and the "F" Car door and hatch bonding systems. Served as the Project Manager for the Ford Ranger Composite Box Program, the first composite automated assembly process to produce a complete bonded assembly at a 1/minute rate for an OEM plant; led the project from a 30% projected loss to a 10% profit. Tasked with authoring a section of the Autodie Business Plan.

**Project Sales Manager, Delos M. Palmer & Associates (1987-1988).** Led business development, proposal development, and sales of control engineering services. Provided supervision to project designers, drafters, and on/off-site engineering services. Increased sales goals 600% for controls group by identifying and implementing CAD CAM technology as a marketing platform to acquire new business, including Owens-Corning.

**New Products Manager, Sterling Plumbing Products Division, Kohler (1987).** Directed product design activities for the bathtub molding division located in Huntsville, AL.

**New Products Manager, FRPC Division, Owens-Corning Fiberglass (1984-1986).**  
Provided technical/economic project evaluation assistance,

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coordinated product design, and managed product manufacturing equipment, including 75 metal dies for SMC molding of plumbing fixtures. Coordinated plant activities, including process support, manufacturing, packaging, purchasing, and quality control as well as technical literature/marketing acceptance. Grew the new products division from \$30 million to \$60 million and added 11 new products in a three-year period by implementing a project schedule for new products, including resource allocations and durations and developed a master timing plan overlaying projects; defined and solved bottlenecks. Project was completed two years ahead of schedule. Led the SMC molding business from technology demonstrator to best ROI division of company within three years. The division's success led to 13 different companies bidding on the division. Served as a key member of the continuous improvement team. Nominated for an OCF Innovation Award for the oval SMC bathtub program for new textured surface and the first bathtub designed and built in math data.

**Control Systems Engineer, Owens-Corning Fiberglass (1974-1984).** Progressively promoted throughout tenure to positions of increasing responsibility. Developed, designed, tested, and implemented machine controls and processes to create greater efficiency, improve quality, and streamline the manufacture of products. Expanding manufacturing capabilities for new products and service to support sales growth from \$450 million to \$2+ billion; worked closely with the senior engineer and corporate engineering teams at locations throughout the U.S. to revamp and design new, more efficient machinery in the manufacture of fiberglass. Developed a controls design for high-speed packaging equipment completing the automated manufacturing of building insulation; received Owens' "Outstanding Contribution Award" for contributions made to this project.

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Name:

**James R. Morris, CSP**

**Education:**

Project Management, University of Utah, 2015  
BS, Business Management, UT 2008

**Active Professional License/Registration:**

ASP, Associate Safety Professional, 2016  
CSP, Certified Safety Professional, 2016

**Relevant Project Experience**

**Marathon Petroleum, Safety Consultant** September 2016-  
November 2017

Third party safety management services provided to Marathon Petroleum during the closure of EPA permits, civil operations, as well as preparing for the construction of two 420,000-barrel crude storage tanks. Primary responsibilities include implementation of site safety plan, site orientation, as well as conducting safety audits and observations.

**Tesoro, Lead Permit Expediter** April 2016–May 2016

Managed permitting and HSE requirements for fast track maintenance operations for multiple chemical processes during a facility wide shut down at Tesoro’s Kenai Alaska facility. Performed audits for confined space entries to verify entries have been conducted as per 1910 confined space requirements.

**Tesoro, Construction HSE Manager** Jan 2014–Oct 2015

Served as a third-party Construction Safety Manager for Tesoro Refinery for the Major Capital Projects Group. As a part of the construction management team, Jim oversaw contractors including civil workers, electricians, iron workers, scaffolders, pipe fitters, plumbers, welders, and other specialty trades. Assisted IH/Environmental departments with project related concerns. Assisted sub-contractors with proactive safety programs to prevent incidents as well as accident investigation, case management, and root cause analysis.

**Beard Process Solutions, HSE Manager** June 2013–Dec 2013

Responsible for implementing safe work practices in a

**Experience**

- 40 Hour Hazwoper, 2016
- OSHA 30 Hour Construction, 2016
- Heart Saver CPR/First Aid, 2016
- ISO 9000 Lead Auditor, 2015
- Construction Quality Management, 2015
- OSHA 501 Train the Trainer, 2008
- OSHA 10 Hour Construction, 2008



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cleanroom environment for construction projects. Projects included the installation of rigging/setting chemical processing machines and installation of high purity stainless steel piping in a live chemical facility.

**Tesoro Refinery, HSE Training Manager** March 2013–May 2013

Provided training during a short-term maintenance project for construction contractors to familiarize them with site policies and procedures for fast track maintenance projects. Provided inspections to ensure compliance with Tesoro policies and procedures, and third-party oversight for contractor incident investigations and root cause analysis.

**BP Biofuels, Construction HSE Manager** Oct 2011–Dec 2012

Provided third-party subcontractor management on behalf of British Petroleum's bio-fuels division. Project work included the building of an Ethanol Refinery as well as developing approx. 10,000 acres of undeveloped property to be used in future operations. Phase 1 & 2 projects included heavy civil operations and trenching/excavations activities.

**Dyn-Corp Intl, Construction Field Safety Professional** Sept 2010–Sept 2011

Developed and implemented the construction safety program in compliance with the Project Management Office (PMO), EM385-1-1, and OSHA regulation for all projects in Afghanistan. Project work included constructing numerous life/operations sustaining facilities. Sites were developed for military and civilian applications. Developed and provided an OSHA 10 & 30-hour training courses as a value-added service to military clientele.

**Dynamic Systems Inc, Regional HSE Coordinator** July 2008–Sept 2010

Regional safety coordinator representing the northeast and south-east branches on all safety related matters. Projects ranged from 50-220 employees. Clients included Novartis, IBM, Micron, Genzyme, Evergreen Solar, University of Texas, University of Georgia Nano-tech Dept., and Merck.



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Name:

**Zachary Brown**

**Education:**

The University of Findlay, BS Biology, 2016

The University of Findlay, MS Environmental Safety & Health Management, In Process

**Relevant Project Experience**

**Health and Safety Consultant, Cardinal Compliance Consultants, LLC (2017 - Present)** Performance in IH monitoring, creating programs for customers such as SWPP, lock out tag out, bloodborne pathogens, hazardous communication, emergency action plans, etc. Providing training in these areas as listed below.

**Senior Chemist, Heritage Environmental Services (2016-2017)**

Responsible for sorting and transporting hazardous materials and waste. Perform segregation of chemicals based upon chemical compatibility, reactivity, solvent selection and responsible for safe handling for packaging, transportation and disposal. Responsible for completing all necessary paperwork in hazardous waste removal, providing and explaining quotes for customers. Experience in working with Environmental Safety and Health Professionals from BP refinery and Toledo Refining Company. Certified in the removal of DEA substance. Class B CDL with hazardous waste endorsement. Experience profiling customer waste. Complete RCRA facility inspections and audits. Emergency Response experience. Implemented safety procedures to follow OSHA and EPA requirements.



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Name:

**Dillon Curtis**

**Education:**

Bedford Senior High School, 2011

Owens Community College, Electrical Engineering Technology, Current

**Relevant Project Experience**

**Engineering Technician, Cardinal Compliance Consultants, LLC (2016 - Present)** Providing services in Program Authoring, Site Inspections, Equipment and Employee Audits, and training in a variety of topics. Specializes in The Control of Hazardous Energy.

**Production Worker, FCA TNAP (2014-2016)**

Worked on the production of the new Jeep Cherokee, gained experience in production facilities and how large facilities handle the training of employees, machine guarding, lockout/tagout, and a variety of other topics.

**Manager, Russ' Car Wash (2009-2014)**

Started as entry level line worker and worked up to managing my own car wash facility. Responsibilities included overseeing daily operations, filling out daily financial reports, supervising a ten-person crew, training new employees, handling disciplinary actions, interfacing with customers, and maintenance.

**General Labor, Perfect 10 Pools (2009-2009)**

Built in-ground swimming pools in a wide variety of styles. Worked with a small crew of 5 employees while learning the construction process of building a pool. Gained experience in construction procedures such as excavation, plumbing, and electrical.