

DAVID W. FLYNN, MS

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Experienced Health, Safety and Environmental Professional with demonstrated experience in various manufacturing and R&D settings. Skilled in Internal HSE audit, Incident Investigations, Root Cause Analysis, Inspections, Risk Assessment, Compliance Assurance, Contractor Safety, 3rd Party Assessments, Industrial Hygiene, PSM, Management of Change, Waste, RCRA and Six Sigma. Significant experience preparing and updating HSE policies and procedures. Strong Education in Safety, Environmental Science, Business Management and Chemistry. Utilized Behavior Based Safety before it was popular. Received extensive training for and participated in the significant Safety Culture change at Union Carbide several years after the Bhopal disaster.

PROFESSIONAL EXPERIENCE

Site EHS Manager

March 2024 – Dec. 2024

Pentair, Delavan WI

- Served on the site leadership team.
- Managed two Superfund cleanup sites.
- Tasked with reestablishing safety program due to a long-term lack of safety management.
- Reintroduced many safety policies as the only safety person in a large plant.
- Reorganized documents and policies.
- Responsible for changing safety culture that reduced recordable incident rate by fifty percent.
- Developed Industrial Hygiene monitoring program for the site including a risk analysis.

Site HSE Manager (production moving out of the country)

2019 – Dec. 2023

John Crane, Crystal Lake IL

- Served on the site leadership team.
- Involved in all aspects of the operation of the facility such as many HR issues, maintenance and technical (chemistry and engineering) support due to loss of knowledge and skills.
- Managed every aspect of the plant at different times due to multiple long-term absences.
- Navigated the site through the challenges of COVID with one of the lowest positivity rates in the company.
- Introducing site to several new safety aspects including the culture of Behavior Based Safety.
- Managed Industrial Hygiene and Environmental issues.
- Managed data reported to various agencies.
- Monitored all Energy, Utility, Waste and Recycling for the site. Responsible for documented Utility savings.
- Represented site in HSE audit that resulted in one minor finding.
- Managed safety issues for furnaces typically reaching 2000C.

Site HSE Leader (plant closed)

2017 - 2019

Honeywell International (Eclipse), Rockford IL

- Managed integration of 100-year-old family-owned company to Honeywell HSE systems after Honeywell purchased the business. Introduced 80 plus new safety policies and procedures to the business.
- Lead safety culture change from the ground up. Worked with craftsmen directly to influence ground up culture change. Developed respect from the craftsmen that allowed communication other managers could not obtain.
- Lead the development of safety culture that allowed craftsmen to push back on management to ensure safety.
- Implementation of all safety and environmental policies at the site including Respiratory, LOTO, Machine Guarding, Waste and Minimization, Hot Work, Combustible Dust, Cranes, Pipe labeling, Emergency Response.
- Served on Site Leadership Team and Lead site through first (only) corporate safety audit.
- Negotiated with management to obtain funds needed to improve the site. These funds were also needed to make changes necessary to show that safety was a company focus to aid the improving safety culture.

- Responsible for training 105 new employees and training of existing employees on new policies.
- Investigated incidents and Managed Worker's Compensation and return to Work issues.
- Managed site HSE Metrics and communicated to shop workers to improve engagement.
- Introduced Management of Change (MOC) and Behavior Based Safety policies.
- Managed environmental issues for site.

Safety Oriented Lead Chemist

2011 - 2017

Matheson Gas, New Johnsonville TN

- Main duties included leading quality control lab.
- Managed new employees through challenges of Start Up of a new facility in PSM environment.
- Managed entire plant, including extremely high hazard chemical manufacturing unit, at times.
- Duties included identifying and correcting safety and ergonomic issues, personality conflicts, scheduling, communication issues, negotiating fixes, equipment and design problem solving.
- Developed GC-MS method for measuring amount of Gasoline in soil matching EPA protocol.

Safety Auditor (temporary construction contract)

2011

Constellium Rolled Products, Ravenswood, WV (as contractor through Dynamic Safety Resources)

- Consultant for several hundred-million-dollar upgrade to Aircraft Grade Aluminum Production.
- Managed Safety and Environmental issues for 100 plus craftsmen, from multiple companies, per shift.
- Managed Waste, Hazard Assessments, Contractor and Visitor Safety for project.

Graduate Student

2008 – 2011

Marshall University, Huntington, WV

- Obtained an MS in Safety with a Minor in Environmental Science as well as a Graduate Certification in Management (while completing over half the course requirements for an MBA) obtaining a 3.95 GPA.
- Restrictive "Do Not Compete" Contract with Dow Chemical expired while attending school.
- Professor for PSM, IH and Incident Investigation was former Chemical Safety Board Investigator.
- Lectured in class sharing my knowledge and experience with Behavior Based Safety.

R&D Chemist and Lab Tech – several positions in these businesses (plant closed) through 2008

Union Carbide Corporation (purchased by the Dow Chemical Company), South Charleston, WV

Trained and utilized to be part of the enormous ground up safety culture change in the years following the Bhopal disaster. Union Carbide was a great training ground for Safety at that time. In addition to research and development (below), worked on short term projects at six other manufacturing sites, as a member of problem-solving teams, including accident investigations (cold box explosion), root cause investigations, materials of construction, process improvements, pilot plant, scale up, process trouble shooting, IH monitoring, toxic gas air monitoring, and project management.

Ethylene Glycol

- Created and organized analytical laboratory, meeting safety standards including ergonomic standards.
- Rebuilt and operated reactor in pilot plant meeting OSHA standards including Management of Change and PSSR.
- Chairman of safety committee to review group projects.

Ethylene Oxide

- Performed in large team environment operating a lab with proven best in class data for fast aging catalyst studies.
- Team member on several accident investigations including Nitric Oxide leak.
- Tuned Flare and Reported emissions data (mostly for Ethylene Oxide) for flare using dedicated software.
- Team replaced large digital control system, responsible for contractor safety and software function (ESD)
- Utilized online-Mass Spec and GC with 14 analyzers in the laboratory including air monitoring analyzers.
- Earned Six Sigma certification tracking data quality problems/failures to justify million dollar plus upgrades.
- Served on decision making Safety Committee and conducted routine Safety Inspections, utilizing Behavior Based Safety principles, in a group that had one of the best safety records in the company.
- Received company stock award for developing program to replace mass flow controllers saving \$250,000.
- Supervised reconstruction of electrical systems including conversion of twenty drive systems from DC to AC.

Hydrocarbons

- Designed and improved ethane 1000 C “crackers”, including analytical systems, meeting all safety standards.
- Responsible for all group safety issues including LOTO development and training, RCRA, IH, Waste, PPE, etc.
- Collected and reported all air emission data for the group. Developed air monitoring systems.
- Received Carbide stock award for leading catalyst research studies leading to improved propylene production in a single unit by 20,000,000 pounds a year by converting waste methyl acetylene and propadiene to propylene.

Analytical

- Involved in “Cold Box” explosion investigation, personally responsible for initial analytical testing.
- Designed/coordinated building portable analyzers for measuring nitric oxide, which were shared industry-wide and responsible for preventing explosions, reducing the buildup of pyrophoric gums, and used for IH monitoring.
- Authored internally published project report establishing rules on developing analytical methods.
- Worked in QC Laboratory supporting various facilities.

Polyurethanes and Organosilicons (Polyvinyl Acetate Research and Development)

- Negotiated with producers of chewing gum to provide FDA approved Polyvinyl Acetate (Gum Base) to several customers for many types of chewing gum.
- Co-authored magazine article on industrial fire safety.
- Back-up Waste Incinerator Operator.
- Received company stock awards developing four products, including polymerization resins with styrene.
- Scaled-up production from bench top through pilot plant and into regular plant production.
- Chairman of safety committee to review safety aspects of the R&D processes.

EDUCATION

Marshall University, Huntington, WV, 2010

Master of Science, Safety

Minor, Environmental Science

Graduate Certification, Management (Similar to BA)

West Virginia State University, Institute, WV

Associate and Bachelor of Science, Chemistry

Western Carolina University, Cullowhee, NC

Organic Chemistry and Physics

Pittsburgh Institute of Aeronautics

Class A CDL Certificate Program

CERTIFICATIONS and LICENSES

Six Sigma Green Belt

Class A CDL with endorsements

OSHA 30

Arc Flash Qualified Worker Certification

First Aid, AED, CPR first responder

Crane operator

Forklift operator

Man Lift operator

Fire First Responder