

GWENDOLYN P. GOLDSBY

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SUMMARY

An experienced Environmental, Health, and Safety (EH&S) professional with a strong technical background in organic and process chemistry, biocatalysis, synthetic biology, and bioprocessing, who has worked with cross-functional teams to develop, implement, communicate and manage EH&S programs across domestic and international sites within Chemical and Biotech Industries.

EXPERIENCE

SPYNSITE LLC., Oakland, CA

2025- Present

Senior EH&S Consultant

Provide EH&S consulting services to Biotech and Chemical Companies. Services include but are not limited to: Assisting in the development of required OSHA programs, carrying out facility safety audits, providing OSHA required training, advising on new lab design, buildout and permitting, conducting project risk assessments, preparing chemical or biological product safety summaries for regulatory submissions and authoring Safety Data Sheets.

AMYRIS INC., Emeryville, CA

2008-2024

Vice President EH&S; 2021-2024

Responsible for the development, implementation and oversight of regulatory compliant EH&S programs for both Amyris employees and products including flavors, fragrances, cosmetic ingredients, and finished products.

- Worked with Amyris site EH&S teams in California, North Carolina, Brazil, and Portugal to develop corporate best practices through audits, risk assessments, shared metrics and training. All sites completed quarterly inspections, achieved high participation rates in Safety training and low recordable incident rates.
- Developed product safety strategy with Regulatory and Quality leads to support regulatory submissions and commercial launch of Amyris products which included product safety testing, labeling, safety data sheets, risk assessments on human health and environmental impact.
- Provided insight and guidance on customer communications and participated in consumer adverse reaction investigations led by the Amyris Quality team.
- Managed the Company's pandemic response to COVID-19, general emergency prevention and response programs, workers compensation cases and return to work procedures.

Sr Director, EH&S; 2011-2021

Director, EH&S; 2008-2011

Responsible for EH&S program development at Amyris Inc.

- Implemented Injury Illness Prevention, Hazard Communication, Biosafety and other OSHA required programs. Established corporate safety and biosafety committees with regular meetings, quarterly site inspections, and safety metrics.
- Responsible for OSHA required training, identification and control of workplace hazards, process and biological safety reviews, ergonomic evaluations, safety data sheets and chemical inventory.
- Developed Environmental Policy, Hazardous Materials Business Plans and managed environmental programs and permitting. Successful audit results from local regulatory authorities.
- Participated as EH&S Lead in the commissioning of new Amyris laboratory spaces including the radiation lab, pilot plant and hydrogenation systems. Interfaced with Process Development and EH&S teams in Brazil in the commissioning of the Amyris Bioprocessing plant in Sao Paulo State.
- Provided oversight on physical property and toxicity testing of Amyris products for chemical registration and manufacturing.
- Lead corporate safety assessments/audits of Amyris manufacturing sites as well as contract manufacturing facilities both in the US and internationally.

- Formed a lab based green team for the development of environmentally friendly lab practices and achieved Platinum Certification through My Green Lab®. Managed the hazardous and medical waste programs to achieve over 90% recycling rates for our lab and manufacturing waste.
- Established incident reporting and emergency response plans. Managed worker's compensation cases in collaboration with Human Resources and workers comp insurance representatives.

CODEXIS INC., Redwood City, CA

2001-2008

Director, Assurance and EH&S Coordinator; 2006-2008

Responsible for EH&S program development and compliance management for Codexis including the implementation of Quality Systems for pharmaceutical raw material release based on ICH Q7A, cGMP and ISO 9001 guidance. Specific duties included:

- Developed safety policies, incident reporting procedures and training programs according to OSHA requirements. Acted as the primary interface on EH&S issues with regulators, customers and EH&S representatives from partner companies.
- EH&S Lead on commissioning new lab spaces in the US and Singapore. Developed compliant multi-national safety programs and teams at Codexis sites in Singapore, Germany and Pasadena with no disruption to operations.
- Led Quality and Safety audits of internal sites as well as contract manufacturing sites in Germany and India.
- Managed hazardous, universal and medical waste programs. Maintained a record of no violations with local regulatory authorities.
- Managed workers compensation program and led efforts to assess root causes of increased repetitive strain incidents. Incidents subsided and better work habits were adopted.
- Preparation and/or review and approval of System Standard Operating Procedures including product release, document control, raw material management, cell banking, method validation and customer complaint handling and corrective action management.

Associate Director, R&D Operations and Resource Management; 2001-2006

Responsible for a group of approx. 30 scientists within the Research and Development Department of a growing biotech company. Duties and accomplishments included:

- Resource allocation, budgeting and lab optimization for up to twelve concurrent partner and internal projects focused on the production of biocatalysts for use in the pharmaceutical sector. Kept projects to their timelines and results were well received by our partners. EPA Green Chemistry Award in 2006 for one of our projects on the development of biocatalysts used in the biosynthesis of Atorvastatin.
- Implementation of Safety and Quality programs for Codexis to facilitate large-scale biocatalyst production under GMP-like conditions- achieved a decrease in work-related injuries and costs as well as fewer batch failures.

MAXYGEN INC., Redwood City, CA

2000-2001

Associate Director, Applied Technology Group

Managed group of approx. 30 scientists to provide services in core technologies to support Maxygen Molecularbreeding™ programs: molecular biology, assay development, high throughput screening, sequencing, and mass spectrometry. Coordinated with Senior Management to staff projects, recruit and train personnel and acquire equipment. Kept projects to timelines.

ZENECA AG PRODUCTS, Richmond CA

1987-2000

Advocate; 1999-2000

One of nine employees out of seventy environmental scientists retained following a company reorganization to provide expert guidance to the North American Business on regulatory and technical issues for key pesticide brands.

- Facilitated transition of the 1999 work program to contract organizations. All projects were kept on track for delivery despite huge resource cuts.
- Quality Assurance Lead for Good Laboratory Practices (GLP) and American Crop Protection Association GLP committee participant in providing industry comments for EPA GLP rule re-drafting.

Group Leader and Product Manager; 1997-1999

Led teams of metabolism and residue chemists on projects required for the registration of key agrochemical brands under EPA FIFRA-LITE and GLP regulations.

- Achieved timely delivery on approx. 100 crop residue and 10 metabolism studies. Allowed business to meet sales targets for 1999.
- Dietary Exposure Lead for the herbicide, Molinate. Product Manager for the herbicide, Fomesafen. Worked within international project teams to plan, implement and oversee regulatory and predictive lab and field studies to maintain product registration and expand market outlets.

Study Director, Senior Research Chemist and Team Leader; 1987-1997

Directed several pesticide metabolism studies on crops, fish, soil, and livestock under GLP. Led a team of metabolism chemists carrying out environmental fate and metabolism studies on pesticides, including a novel fungicide, Azoxystrobin, to satisfy regulatory requirements for registration.

- Achieved early registration and studies were recognized for scientific integrity.
- Negotiated with US EPA and European regulatory authorities on project issues that led to substantial savings of company resources.

EDUCATION AND VOLUNTEER ACTIVITIES

B.A. - Chemistry – Reed College, Portland, OR 1979

M.S. – Organic Chemistry, University of California, San Diego, CA 1982

Graduate Certification in Toxicology and Industrial Hygiene, Drexel University 2011

American Board of Industrial Hygiene, Certified Industrial Hygienist awarded 2012

SDS and Label Authoring Registered Professional (SDSRP), AIHA 2025

CEAS 1: Certification in Ergonomic Assessments; the Back School 2021

OSHA Train the Trainer certification 2014

Hazardous Waste; First Aid and AED; Hazwoper First Responder Operations Training

Ethics for EHS Professionals

Process safety/HAZOP through AIChE

Potent Compound Training

American Industrial Hygienists Association (AIHA)

Board member Oakland Firesafe Council 2025