

Oscar Hernandez

PROFESSIONAL HISTORY:

*Risk Management Professionals, Inc.;
Irvine, California; Project Engineer
October 2018-Present*

*Home Quest, Yorba Linda, California;
Carpenter, November 2015-
March 2017*

*Chemistry and Mathematics Tutor
Hemet, California; February 2014
– June 2016*

EDUCATION:

*Bachelor of Science, Chemical
Engineering, University of
California, Riverside*

PROFESSIONAL AFFILIATIONS:

Engineers Without Borders (EWB)

Mr. Hernandez graduated from the University of California, Riverside with a Bachelor of Science degree in Chemical



Engineering. Through his experience and education, Mr. Hernandez has developed strong technical writing, analytical, and problem-solving skills and currently provides consulting services for variety of projects as a Project Engineer with Risk Management Professionals.

Since joining Risk Management Professionals, Mr. Hernandez has been immersed in multiple aspects of United States Environmental Protection Agency (US EPA) Risk Management Plan (RMP), Occupational Safety and Health Administration (OSHA) Process

Safety Management (PSM) Program, and California Accidental Release Prevention (CalARP) Program development, including the following.

- Process Hazard Analyses (PHAs), including Hazard & Operability (HAZOP) support and What-if and Checklist Analyses
- Risk Management Plans (RMP) / Process Safety Management (PSM) Programs
- California Accidental Release Prevention (CalARP) Program
- Operating Procedures Development
- Toxic Dispersion Modeling for Hazard Assessments/Offsite Consequence Analyses (OCAs) and associated CalARP/RMP submittals.

PROJECT EXPERIENCE

CalARP/RMP/PSM Programs

Mr. Hernandez efforts in the CalARP/RMP/PSM Programs extend to a broad range of industries, including ammonia refrigeration, ammonia storage, and oil and gas. He has completed a variety of Hazard Assessments/OCAs and developed operating procedures, including those listed below.

- *Cogeneration Facility, Wilmington, CA* – Provided support for CalARP/RMP/PSM program updates for a cogeneration facility in Southern California.

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- *Poultry Processing Facility, Farmerville, LA* – Performed a Triennial Compliance audit, including preparation and on-site walkdown and interviews, to comply with EPA RMP regulations.
- *Ammonia Storage and Handling Facility, Chico, CA* - Assisted in development of Operating Procedures for each phase of operation (initial startup, normal operations, temporary operations, etc.) for each piece of equipment, safety and health considerations for ammonia and safe work practices. In addition, developed CalARP Program Level 2 documentation for the facilities regulatory compliance.
- *Natural Gas Liquid (NGL) Extraction and Fractionation, Multiple Facilities, North Dakota and Louisiana* - Provided support for RMP/PSM program updates for seven (7) NGL extraction facilities, including review of existing documentation and updates to comply with federal regulations.

Process Hazard Analyses (PHAs)/Hazard Reviews (HRs)

Mr. Hernandez has been the technical scribe for PHAs and Hazard Reviews (HRs) using the HAZOP and What-If/Checklist methodologies, for oil and gas and ammonia refrigeration.

- *Maxtrix/MODA Ingleside, Texas* – Provided preparation for the P&IDs and conduct a PHA for the expansion of the future loading arms.
- *Poultry Processing Facility, Farmerville, LA* – Provided HAZOP and What-if/Checklist facilitation support for an operating ammonia refrigeration facility for two (2) processes at a single location.
- *Coker Unit, Garyville, LA* – Provided preparation and conducted a PHA for a Coker Unit in Louisiana.

CLIENT LIST

The following is a partial list of clients that Mr. Hernandez has provided engineering support.

- Berry Petroleum Company, LLC
- Colusa County Farms Supply
- Harbor Cogeneration
- Marathon Oil
- North Valley Ag Services
- William Midstream