

Katya Mandziuk

PROFESSIONAL HISTORY:

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

*Amway Corporation,
Quincy, Washington;
Manufacturing Engineering Intern,
June 2017-September 2017*

EDUCATION:

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

PROFESSIONAL AFFILIATIONS:

*American Institute of Chemical
Engineers (AIChE)*

*American Association of University
Women (AAUW)*

Ms. Katya Mandziuk graduated from the University of California, Irvine with a Bachelor of Science degree in Chemical Engineering.



In the summer of 2017, Ms. Mandziuk successfully completed an internship with the Amway Corporation. Her responsibilities included determining the root cause of the overloaded catalytic oxidizers during the extraction process, and developing a strategy to collect and evaluate the data for the extraction process to determine the cause for the overloaded oxidizer by manipulating the temperature, pressure and time of the extraction. In addition, Ms. Mandziuk updated Piping and Instrumentation Diagrams (P&IDs) for Volatile

Organic Compounds (VOCs) and conducted field walkdowns to verify P&ID accuracy. She and two other interns were able to improve the Clean-In-Place process and reduce turnaround time between products by approximately 2 hours.

Through her experience and education, Ms. Mandziuk 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, Ms. Mandziuk 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.

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PROJECT EXPERIENCE

CalARP/RMP/PSM Programs

Ms. Mandziuk's efforts in the CalARP/RMP/PSM Programs extend to a broad range of industries, including ammonia refrigeration, desalination and water treatment facilities. She has completed a variety of Hazard Assessments/OCAs and developed operating procedures, including those listed below.

- *Cogeneration Facilities (multiple), CA* – Provided support for CalARP/RMP/PSM program updates for three (3) cogeneration facilities in Southern California.
- *Ammonia Refrigeration Facility, Severn, MD* - 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.

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

Ms. Mandziuk has been the technical scribe for PHAs and Hazard Reviews (HRs) using the HAZOP and What-If/Checklist methodologies, for various water and wastewater treatment plants utilizing chlorine and aqueous ammonia; she also has been a technical scribe during PHAs for other industry sectors.

- *Sanitation Districts, Whittier, Pomona, Valencia, CA* – Supported the Hazard Reviews (HRs) for the 3 facilities (Program 2 processes) owned by the sanitary districts that utilize aqueous ammonia.
- *Chlorine Injection System – Water Treatment Facility, Lancaster, CA* – Provided HR support for an operating chlorine injection system for water treatment. As part of the HR, the Team reviewed relevant MOCs, previous incidents, external events, human factors, and facility siting.
- *Ammonia Refrigeration Facility, Lancaster, CA* – Provided HAZOP and What-if/Checklist facilitation support for an operating ammonia refrigeration facility.
- *Coker Unit, Garyville, LA* – Provided preparation and P&ID support for team members conducting a PHA for a Coker Unit in Louisiana.

General Compliance Services

Ms. Mandziuk has provided general compliance services to a variety of industries, including those listed below.

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the following. an ammonia refrigeration facility's response to a regulator regarding compliance issues at their facility. She has also participated in the preparation and attendance at a local conference to educate industry on compliance regulations and issues.

- *Ammonia Refrigeration Facility, Victorville, CA* – Developed a letter to the local regulator regarding a change of ownership and pending program updates.
- *Ammonia Refrigeration Facility, Oxnard, CA* – Assisted with developing a letter and submittal documents for the local regulator as a response to a request for additional documentation.
- *Water Desalination Plant, Santa Barbara, CA* – Developed a Risk Management Assessment for the City of Santa Barbara regarding the safety measures executed at the facility and an assessment of compliance with general safe practice.

CLIENT LIST

The following is a partial list of clients that Ms. Mandziuk has provided engineering support.

- Keurig Dr Pepper
- Berry Petroleum Company, LLC
- Los Angeles Department of Public Works
- Provender Partners (Cold Storage)
- County Sanitation Districts of Los Angeles County
- Gene Wheeler Farms