

CASEY P. SBICCA

PROFESSIONAL HISTORY:

Risk Management Professionals, Inc.;
Mission Viejo, California; Project
Engineer, 2008 - Present

EDUCATION:

Mechanical Engineering, Bachelor of
Science, University of California, Santa
Barbara

CERTIFICATION:

- *Incident Command System IS-100*
- *Incident Command System IS-200*
- *National Incident Management System IS-700*
- *National Response Plan IS-800*

Mr. Casey P. Sbicca has supplied support and high level technical assistance to numerous projects at Risk Management Professionals, all focused on identifying, preparing for, and mitigating potential risks at process facilities. His strong engineering and technical knowledge makes Mr. Sbicca an integral part to the Process Hazard Analysis. Mr. Sbicca is qualified for the use of the following Process Hazard Analysis methods: HAZOP guideword, LOPA procedure, What-If checklist evaluation, and other quantitative risk assessment methods.



Hazard and Operability Studies and Layer of Protection Analyses –

Mr. Casey Sbicca has participated in various HAZOP studies for processes. He has facilitated and scribed for numerous HAZOP/LOPA Studies and provided technical support while reviewing potential operational and process hazards. During these studies, he utilized several methodologies including HAZOP guideword, What-If, and Checklist evaluation depending on the clients' needs. He is also familiar with SIL/SIS analysis along with IEC 61511 standards, which covers the design and management requirements for the safety integrated systems. A partial list of Mr. Sbicca's HAZOP experience includes:

- Diesel Hydro-Treater
- Sour Water Stripper
- Liquid Sulfur Transport System
- Utilities & Offsites:
 - Utility Water / Potable Water
 - Chemical Storage (DGA, Solexol, Propane, Flexorb, Methanol)
 - Demineralization & Neutralization, Boiler Feed Water, Steam and Condensate
 - Power Generation
 - Fuel Gas System
 - Central Refrigeration & Chilled Water

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- Instrument & Plant Air
- Nitrogen Generation System
- Diesel System
- Flare Vapor Recovery
- Flare & Blowdown System
- Fire Protection System
- Sewage Collection System
- Wastewater Treatment

CalARP/RMP/PSM Program Development and Revalidation – Mr. Sbicca has assisted in the development of California Accidental Release Prevention (CalARP) Programs, Risk Management Plans (RMP), and Process Safety Management (PSM) Programs for a diverse spectrum of facilities. As part of these efforts, he has conducted P&ID reviews and updates, Offsite Consequence Analysis (OCA), external events analysis, dispersion modeling, recommendations review, program development, USEPA and Administering Agency submittals, and review. The following is a list of projects in which Mr. Sbicca participated:

- City of Avenal Chlorine System Compliance Audit
- Water Facilities Authority Process Hazard Analysis
- Pepsi Bottling Company

Emergency Response Plan Development –Mr. Sbicca has developed a comprehensive Emergency Response Plan for the Encina Wastewater Authority, which includes addressing specific security, operational, and natural hazard emergency scenarios, while coordinating a response that is consistent with SEMS and NIMS specifications to allow for a smooth interface with the operations of the municipal emergency response agency to ensure effective response to an emergency and provide the ability to operate under Unified Command.