

COCCIARDI and Associates, Inc.

Risk & Safety Management • Environmental Health
Emergency Preparedness • Safety Engineering
Consulting and Training

PROFESSIONAL PROFILE

AMANDA FERGUSON PROJECT MANAGER – ENGINEERING

EDUCATION:

Bachelor of Science, Chemical Engineering (2002)
University of Arkansas, Fayetteville, Arkansas

PROFESSIONAL PROFILE:

Ms. Ferguson provides technical services in the areas of occupational and environmental safety and health and air quality. Her duties include screening and implementing of requirements of local, state, and federal safety, health and environmental regulations, including the Pennsylvania Department of Environmental Protection, U.S. Environmental Protection Agency, U.S. Department of Transportation, and U.S. Department of Labor, Occupational Safety and Health Administration. Ms. Ferguson previously worked as an environmental engineer in air enforcement for the U.S. Environmental Protection Agency. During her 10 years with the U.S. EPA, her duties included analyzing records, inspections, and other information to determine compliance with the Clean Air Act and federal and state air regulations; analyzing and responding to alternative monitoring requests and applicability determinations; and participating in settlement negotiations.

CERTIFICATIONS:

- Hazardous Waste Operations and Emergency Response: Worker Certified
- Licensed Engineer Intern: Arkansas License #6488
- Certified Infrared Thermographer: Optical Gas Imaging

SELECT PROJECT EXPERIENCE:

- Project: Process Safety Management (PSM)/Risk Management Plan (RMP) Compliance
- Description: Completed various compliance activities at petroleum distribution and chemical facilities throughout the U.S. in accordance with OSHA's PSM for Highly Hazardous chemicals and the EPA's RMP regulations. Responsibilities included facilitating and scribing (via specific software) Process Hazard Analysis (PHA) studies, and conducting compliance audits and operator training.
- Project: Fire Safety Analysis
- Description: Evaluated on-site tank locations relative to containment, topography, and construction. Evaluated release control measures including site personnel capabilities, automated controls and monitoring, and site security. Conducted interviews with the local Fire Departments regarding department equipment and water availability to assess the need for additional fire protection at sites.

SELECT PROJECT EXPERIENCE (CONTINUED):

- Project: SPCC Plan updates
- Description: Assessed on-site oil capacity and spill response procedures. Documented current capacity and evaluated current Spill Prevention, Control, and Countermeasure Plan and compliance with 40 CFR Part 112. Provided plan updates and recommendations to ensure site continues to maintain procedures which will prevent discharges.
- Project: Request for Determination
- Description: Evaluated sources of air emissions from transloading operations for a new facility. Performed emission calculations and compiled supporting documentation for evaluation of permit exemption. Developed request for determination for submittal to the Pennsylvania Department of Environmental Protection.
- Project: EPCRA Tier II Reporting
- Description: Updated Tier II online submittals for multiple sites in Pennsylvania.
- Project: Standard Operating Procedures and Mechanical Integrity Programs
- Description: Evaluated and documented facility standard operating procedures (SOP) relative to LP Gas Systems. Provided SOP training and checklists to ensure mechanical integrity of process components.
- Project: Hazardous Waste and Residual Waste Reporting
- Description: Ensured timely submittal of biennial Hazardous Waste and Residual Waste Reports for multiple facilities in Pennsylvania. Updated and submitted Chemical Analyses of Residual Waste Annual Reports.
- Project: Air Emissions Permit Application
- Description: Evaluated sources of air emissions from transloading operations for a new facility. Performed emission calculations and compiled supporting documentation. Developed air permit application for submittal to permitting authority.
- Project: AIMS Reports
- Description: Evaluated air emissions estimates for completeness and accuracy. Provided annual emissions data for facilities via the Air Information Management System report required by Pennsylvania Department of Environmental Protection (PADEP) and 25 Pa. Code Chapter 135.
- Project: Air Permit Reports
- Description: Reviewed emission data and air permit requirements. Organized emission information into source-specific categories to comply with permit reporting requirements. Created summary to document semi-annual emissions in accordance with permit state only reporting requirements.

SELECT PROJECT EXPERIENCE (CONTINUED):

Project: Hydrogen Sulfide Risk Assessment

Description: Participated in Risk Assessment of high hydrogen sulfide unloading operations at a marine terminal. Responsibilities included compiling safety data and documenting the risk assessment study.