

JAMES R. MEVERDEN, P.E.
Principal

EXPERIENCE

Mr. Meverden has over 25 years of diverse environmental experience specializing in compliance issues confronting manufacturers. His experience includes compliance auditing, regulatory affairs and project and staff management while employed by two multi-plant manufacturing companies and three consulting firms. As a Registered Professional Engineer in three states, a Certified Environmental Auditor and a Provisional ISO 14001 Auditor (pending), he has developed corporate, division-wide and plant programs in areas including environmental auditing, pollution prevention, hazardous waste and Emergency Planning and Community Right-to-Know. He currently provides high quality, responsive environmental services to a variety of manufacturing firms.

Environmental Compliance Auditing - Developed division-wide environmental audit program while employed by Johnson Controls, Inc. As a consultant, conducted over 30 compliance audits manufacturing facilities involved in power plants, piston ring manufacturing, steel forging, battery manufacturing, chemical formulation, brass musical instrument, fabricated metal operations and plastics injection molding.

Regulatory Affairs - Prepared numerous air, water, and hazardous waste permit applications and negotiated permit limitations. Developed SPCC and hazardous waste contingency plans for manufacturing facilities including a national airline. Extensive experience in routine environmental reporting. Conducted impact assessments relative to major pieces of legislation and regulation to provide input in developing corporate positions and agency comments.

Environmental Training - Provided client training and presented seminars and college level coursework on topics including Hazardous Materials and Waste Management, Emergency Response, Environmental Regulation Overview, Environmental Project Management, and the Clean Air Act.

Wastewater and Stormwater Management - Developed numerous stormwater pollution prevention plans for industrial facilities, which included review of potential contaminants and identification and implementation of Best Management Practices. Developed Baseline Monitoring Reports for a variety of categorical pretreaters, including battery manufacturers, metal molders and casters, metal finishers, and copper and aluminum formers. Operated and maintained pilot scale primary, secondary, and tertiary wastewater treatment equipment during EPA-funded research at coke plants, an aluminum fabricator and a paper mill.

Air Management - Permitted 4 major plant expansions at lead acid battery and plastic molding plants involving NSPS and non-attainment issues. Prepared numerous Part 70 and non-Part 70 air permit applications. Developed industrial permitting strategies relative to halogenated solvent degreasing, urethane foam production and chromium electroplating MACT standards. Performed screening modeling to assess impact of new manufacturing processes. Participated in Air Emission Task Force to develop strategies and resolve technical issues relating to emission control equipment, real-time lead monitoring and Method 12 stack testing at lead acid battery plants.

ISO 14001 Implementation- Performed gap analyses and developed and implemented Level 1, 2 and 3 procedures as part of four ISO 14001 certification efforts. Evaluated environmental aspects and impacts at a large automotive piston ring manufacturer and an aluminum die caster. Conducted employee overview training to acquaint staff with ISO 14000 and environmental policy.

Project Management - Managed numerous petroleum and industrial solvent site investigations and remediations utilizing technologies including in-situ and ex-situ bioremediation, land spreading, air stripping and multi-phase extraction. Contracted and managed closure of four lead-acid battery manufacturing facilities. Projects included contract administration and management of remediation, decontamination and demolition. Total projects budgets exceeded \$4.0 MM. Contracted and managed \$1.6 MM closure of three hazardous waste surface impoundments including development of closure plan, bid specification and project management.

Environmental Assessments - Conducted numerous Phase I and Phase II Environmental Site Assessments of industrial and commercial properties as a part of real estate development and transactions.

EDUCATION

M.S., Environmental Engineering, Marquette University, Milwaukee, WI, 1979
B.S., Civil Engineering, University of Wisconsin-Platteville, 1976

REGISTRATIONS AND CERTIFICATIONS

Registered Professional Engineer - Wisconsin, Illinois, Minnesota
Certified Environmental Auditor
Certified Provisional ISO 14001 Auditor (pending)

PROFESSIONAL AFFILIATIONS:

Air and Waste Management Association
Federation of Environmental Technologists

PUBLICATIONS:

Meverden, James R., "Size Classification and Metal Content of Incinerator Emitted Particles", July 1979, Marquette University, M.S. Thesis.

Dupuis, Thomas; **Meverden, James R.** and Rollinger, Gary, "Exploratory Development Program for a Barge Mounted Treatment System", June 1980, U.S. Army MERADCON CONTRACT No. DAAK 70-79-C-0078.

Osantowski, Richard; Geinopolos, Anthony; **Meverden, James** and Milanowski, Joseph, "Two Stage Biological Treatment of Coke Plant Wastewater", December 1980, U.S. EPA Contract No. 68-02-2671.