

CLAUDIA LOESCH
Environmental/Civil Engineer

AREAS OF SPECIALIZATION

- Technical Consulting
- Project Management
- Assignments at the interface of engineering and economics
- Infrastructure Projects
- Wastewater Engineering
- Contract Administration
- Cost Estimating
- Permit Procedures
- AutoCad and GIS
- Technical Research
- Multimedia Compliance & Regulatory Assistance
- Air Permitting
- Legal Research
- Human Health Risk Assessment
- Air Modeling

EDUCATION

M.Sc.BA., Business Administration,
University RWTH Aachen,
Germany

M.Sc., Civil Engineering, University
RWTH Aachen, Germany

International Diploma, Master's
program Concrete Structures,
Imperial College of Science,
Technology and Medicine London,
England

Ms. Loesch has more than 6 years of experience in consulting and engineering services across multiple industries and consulting sectors. As a project engineer and project manager, she contributed to the success of projects in the infrastructure sector, environmental engineering, wastewater structures, building materials technology, underground construction projects, steel construction and business development.

In environmental consulting, Ms. Loesch had significant involvement with projects providing legal research services, air permitting and regulatory compliance, human health risk assessment and air modeling. The provided services include the work with emissions inventories and quantification, AERMOD dispersion modeling and risk analysis for the air pathway. For legal research projects, potential chemical exposures and routes of exposure were investigated and risk analysis modeling performed.

In the civil engineering sector, Ms. Loesch provided planning, design and consulting services and was involved in bidding procedures, scheduling, permit procedures and cost estimating for projects in pipeline construction, tunneling and steel construction. She supported business development in pipeline construction and environmental engineering markets and managed and provided research and development services in the wastewater segment.

EXAMPLES OF DIRECTLY RELATED EXPERIENCE

MODELING and RISK ANALYSIS –

For Lawrence Livermore National Laboratory, Ms. Loesch is involved in updating the human health risk assessment required as part of the RCRA Part B hazardous waste facility renewal application. This assessment involves complex emissions inventory and quantification, AERMOD dispersion modeling, and ultimately a risk analysis for the air pathway using exposure assessment algorithms.

LEGAL RESEARCH –

In a highly controversial and confidential wrongful death claim, ZMassociates provided in-depth research on plaintiff claims, potential chemical exposures, routes of exposure, risk analysis, modeling, and a summary expert opinion report. Due to the extensive work in concert with great legal representation, the case was settled before going to trial.

AIR PERMITTING and REGULATORY COMPLIANCE –

Air Permitting in Southern California:

Ms. Loesch has participated in SDAPCD air permitting of various new equipment. She also prepared emission calculations for criteria pollutants and GHG for operational emissions at a landfill in Imperial County.



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OTHER PROJECT EXPERIENCE

- Managed project to develop new selection method for sewer system materials taking project specific conditions into account. Resulted in increase of project size by 400% and additional business opportunities in new market segments.
- Provided planning, design and consulting services and prepared bid documents, schedules, documents for permit procedures and cost estimates for projects in pipeline construction, tunneling and steel construction.
- Managed project to develop schedules and contract terms for awarding authority for use within construction of a new subway metro line in Cologne, Germany. Coordinated contributions of 18 involved parties. Resulted in increase of project size by 180%.
- Supported business development in pipeline construction and environmental engineering markets, e.g. development of new service product, acquisition of new customers and by presenting achieved project results at experts' meetings and training events.

EMPLOYMENT HISTORY

2009-Present, ZMassociates, Inc., Environmental/Civil Engineer
2003-2009, Zerna Ingenieure GmbH, Cologne, Germany, Project Engineer