

Corrie Clark

Environmental Policy Analysis
Environmental Assessment Division
Argonne National Laboratory

Education:

Ph.D. University of Michigan, Environmental Engineering and Natural Resources and Environment, 2008
M.S.E. University of Michigan, Environmental Engineering, 2004
B.S. University of Virginia, Chemical Engineering, 2002

Professional Experience:

2008-Present Environmental Systems and Policy Analyst
Environmental Assessment Division
Argonne National Laboratory

Experienced in designing solutions that combine engineering, finance, and policy to solve complex environmental challenges. Responsible for assessing the impact of technologies and existing and proposed environmental legislation and regulation upon the energy industry.

Summary of Previous Experience:

2003-2008 University of Michigan, Ann Arbor, Michigan

Examined the environmental benefits of green infrastructure within an economic framework. Quantified the ability of green roofs to mitigate air pollution, reduce a building's energy consumption, and improve storm water quality. Performed life cycle costing and cost-benefit analysis to evaluate the potential for green roofs' incorporation into market-based policies. Developed a multimedia, probabilistic fate and transport model to assess benefits of green roofs to policymakers and end users.

2005-2006 University of Michigan, Ann Arbor, Michigan

Served as a graduate student instructor for a project-based course focused on designing green roofs for new and existing structures. Developed three design projects per semester with city and university planners. Arranged guest lecturers to speak on structural design, storm water management, and local green roof projects. Lectured on the USGBC's LEED program, building energy balance and efficiency, stormwater runoff estimation, and current research as it applies to design projects.

2004-2006 University of Michigan Dioxin Exposure Study, Ann Arbor, Michigan

Investigated the relationship of dioxin concentrations in blood and the contribution of potential sources within the flood plain of Michigan's Tittabawassee River. Aided the development

of standard procedures for sample collection, transport, and transfer as well as a health and safety plan for team members. Extensively sampled floodplain, composited samples in laboratory, and led public outreach to hundreds of homeowners in the study area.

2002-2003 University of Florida, Gainesville, Florida

Researched construction and debris disposal rules and created a 50-state summary of current regulations for use by policymakers and practitioners. Revised and updated waste handling practices information for a second edition of *Recommended Management Practices for the Removal of Hazardous Materials from Buildings Prior to Demolition*. Both the database and waste handling practices are currently maintained and updated by the Solid and Hazardous Waste Studies program.

Summer 2001 Office of Environmental Policy Innovation, US Environmental Protection Agency, Washington, DC

Evaluated hazardous wastes generation by the electroplating industry from an industrial ecology perspective. With industry leaders and policymakers, developed an understanding of the life cycle identifying a need to focus on inputs rather than the regulatory focus on outputs. Performed a detailed study of the Resource Conservation and Recovery Act (RCRA) to reveal how current policy actively discourages recycling and resource conservation within the electroplating industry. This work resulted in EPA efforts to change restrictive recycling rules and encourage recycling of electroplating waste.

Research Interests:

Green Infrastructure and Green Buildings
Environmental Policy and Management
Sustainability

Professional Activities:

Green Roofs for Healthy Cities, research committee member
Emerging Green Builders, US Green Building Council, National Capital Region

Publications:

Author of 10+ journal and conference publications and presentations.