

Megan M. Williams

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SKILLS

Over 15 years of experience working on air quality issues

Technical and Policy areas of expertise

- Analyzing and characterizing air emissions from a variety of air pollution sources
- Determining air emissions reduction potentials from control technology scenarios
- Reviewing public lands management actions taken under the National Environmental Policy Act (e.g., Environmental Impact Statements, Environmental Assessments, Resource Management Plans, Travel Management Plans, etc.)
- Reviewing new, existing and modified state air quality regulations to determine if they meet federal Clean Air Act requirements
- Reviewing proposed federal and state air quality rules and policy to determine if they are as rigorous and stringent as possible
- Thorough understanding of the requirements of the nonattainment new source review and prevention of significant deterioration construction permit programs and Title V operating permit program

Computer skills

- Highly proficient in MS Windows and Macintosh
- Experienced with numerous standard software packages
- Experienced writing programs to perform data analysis (*e.g.*, Excel macros, etc.)

Communication skills

- Experienced and thorough in writing both technical and policy documents
- Presented half-day technical seminars on Indoor Air Quality (to teachers, maintenance staff, etc.)
- Active in EPA's Environmental Education Council (1998-2000)

Completed numerous technical and policy courses offered by the EPA Education and Outreach Program

PROFESSIONAL EXPERIENCE

VARIOUS ENVIRONMENTAL AND GOVERNMENT ORGANIZATIONS Boulder, CO
July 2003–present

Air Quality Consultant

- Provide a variety of technical and policy analyses related to national, regional and local air quality and energy issues. Includes technical and policy research, the production of written documents and reports, quantitative determinations and qualitative assessments.

Environmental Engineer, May 2000–November 2002

Air Quality Planning Group

- Region 8 lead for nonattainment new source review and prevention of significant deterioration policy development and planning analyses (2001–2002)
- Reviewed state rules and rule changes related to new source review permitting to determine if they met federal Clean Air Act requirements
- Prepared official documents to approve or disapprove state implementation plan revisions
- Reviewed PM₁₀ redesignation requests and prepared official documents for redesignating PM₁₀ nonattainment areas to attainment
- Primary contact for Wyoming air issues (2001–2002)
- Compiled EPA-approved implementation plan for Wyoming
- Co-led a national working group to re-examine EPA's existing policy on redefining "baseline areas" under the Clean Air Act. Planned and hosted national workgroup meeting in Denver to develop criteria for approving baseline area redesignations. Co-authored a Technical Memo to EPA's Office of Air Quality Planning & Standards' Director proposing use of the new criteria
- Received Superior Accomplishment Recognition for technical and policy work on an air quality dispersion modeling analysis of Prevention of Significant Deterioration (PSD) increment consumption in North Dakota and eastern Montana (report available upon request).

Regional Indoor Air Quality Program Manager, January 1998–May 2000

- Managed EPA Region 8's voluntary Indoor Air Quality Program
- Provided technical assistance and outreach to schools, state/local officials and the general public
- Initiated and managed research projects to assess indoor air quality interventions
- Developed and maintained regional IAQ website
- Received Superior Accomplishment Recognition for working with schools to voluntarily implement EPA's Indoor Air Quality Tools for Schools program
- Received regional award for Excellence in Environmental Education

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Madison, WI

Air Management Engineer, January 1997–December 1997

- Wrote Title V Operating Permits for sources in northwest Wisconsin (*e.g.*, power plants, paper mills, breweries, and military operations)

Air Management Intern, August 1995–December 1996

(part-time position in conjunction with the Air Resources Management graduate program at UW - Madison)

- Wrote Title V Operating Permits for sources in northwest Wisconsin
- Developed statewide general Title V Operating Permits for small heating units and ethylene oxide sterilizers

EDUCATION

UNIVERSITY OF WISCONSIN – MADISON

Institute for Environmental Studies

Master of Science, Air Resources Management, December 1996

UNIVERSITY OF COLORADO – BOULDER

College of Engineering and Applied Sciences

Bachelor of Science, Applied Mathematics (emphasis Mechanical Engineering), May 1995