



REBEKAH BOWLDS CONSULTING SCIENTIST

CREDENTIALS

- ♦ B.Sc., Physics, University of Waterloo, 1999
- ♦ M.Sc., Physics, University of Waterloo, 2001

PROFESSIONAL EXPERIENCE

- ♦ **2016-Present:** All4 Inc., Kennesaw, GA – Project Scientist
- ♦ **2011-2015:** Golder Associates, Calgary, AB, Canada – Air Quality Scientist
- ♦ **2008-2011:** Center for Earth Observation Studies, University of Manitoba, Winnipeg, MB, Canada – Research Assistant

TECHNICAL EXPERTISE

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| ✓ Air quality dispersion modeling studies to support air toxics, minor new source review, PSD, and other air quality related permitting programs which include the use of the AERMOD and CALPUFF modeling systems as well as AERSCREEN | ✓ Meteorological modeling using MM5, and detailed meteorological analysis of air quality dispersion modeling related issues |
| ✓ State and Federal air permit programs including Title V Renewal Applications, construction permit applications, synthetic minor applications | ✓ PSD/NSR Applicability Analyses |
| ✓ New/modified source air permitting | ✓ Cleaner Air Oregon (CAO) Health Risk Assessments |
| ✓ Graphical Information System (GIS) software proficiency | ✓ Health risk and toxic impact assessments |
| | ✓ Regional Haze Analyses conducted using the CALPUFF modeling system to evaluate Best Available Retro-Fit Technology (BART); |
| | ✓ Emissions inventories |
| | ✓ Annual/Semi-annual Compliance Reporting |
| | ✓ Environmental Impact Assessments under the Canadian Environmental Assessment Act |

PROFESSIONAL OVERVIEW

Ms. Rebekah Bowlds has over nine years of professional experience in air quality consulting, with a focus on ambient air quality modeling, air permitting strategy, and air permit applications including Prevention of Significant Deterioration (PSD) applications. She has used the AERMOD modeling system in support of health risk assessments, PSD and minor NSR permit applications, and strategic initiatives in several industries including pulp and paper, oil and gas, and chemical manufacturing.

In addition to air quality modeling activities, Ms. Bowlds has led teams in preparing Title V renewal applications, construction permit applications, and synthetic minor permit applications. Ms. Bowlds has also led teams in preparation of; emissions inventories, annual compliance reports, Maximum Achievable Control Technology (MACT) required reports, and greenhouse gas (GHG) reports.

Ms. Bowlds has led and managed project teams, where she has developed permit applications or provided compliance reporting support to clients in several industries including upstream oil and gas facilities, pulp and paper mills, health, and chemical manufacturing. She has air quality dispersion modeling, reporting and/or permitting experience in multiple states, as well as several Canadian jurisdictions.