



## Atmospheric Scientist

### Wood Buffalo Environmental Association

The Wood Buffalo Environmental Association (WBEA) monitors the environment of the Regional Municipality of Wood Buffalo in north-eastern Alberta. Our environmental monitoring work is the most integrated and intensive focus on air and terrestrial monitoring in any one area, anywhere in Canada. The WBEA is committed to reporting accurate and timely high-quality data from our Ambient Air Monitoring (AAM), Terrestrial Environmental Effects Monitoring (TEEM), and Community Odour Monitoring (OMP) Programs to ensure regional stakeholders have the information they need to make informed environmental decisions. For more information, visit: <http://www.wbea.org>

### The Role

The Atmospheric Scientist position within the Wood Buffalo Environmental Association (WBEA) is responsible for the science driven review, analysis, and reporting of the air and deposition data collected by the WBEA.

The Atmospheric Scientist is part of the Data Team and reports to the Operations Manager. This position supports the WBEA's goal in reporting high-quality and meaningful information to our members, stakeholders, and partners, and directly supports the WBEA Vision in providing environmental data to make informed decisions.

### Position Responsibilities

The Atmospheric Scientist is responsible for:

- Reviewing environmental and meteorological data daily, as required.
- Performing quality assurance on data sets to prepare them for analysis.
- The analysis, synthesis and reports of ambient air and deposition data, including:
  - Implementing analysis and modelling tools
  - Applying existing data analysis routines to conduct evaluation of air quality data.
  - Collaborating with others in the statistical analysis to ensure data credibility.
- Upon completing of analysis, creating, as requested:
  - Internal reports
  - Reports to be shared with WBEA members and partners
  - Manuscripts for peer-reviewed journals
  - Presentations
- Providing input on the design of and overseeing short-term air quality and deposition focused studies.
- Collaborating with the ambient air monitoring team and deposition team on the development, logistics, and deployment of projects.
- Collaborating with WBEA Science Advisors on review and analysis of data.
- Learning and carrying out ambient air quality assurance validation procedures to 1) develop an understanding of the data for analysis, and 2) provide coverage for the data team, as needed.
- Mentoring other WBEA staff in the processes of data analysis, statistical analysis, reporting and creation of manuscripts.



- Presenting at WBEA Technical Committee meetings, external meetings, conferences, or workshops, as required.

**Qualifications:**

- Requires a master's degree or Ph. D from an accredited university in atmospheric science, atmospheric chemistry, or similar; 0-5 years of experience.
- Have a proven track record in the production of peer-reviewed scientific publications and writing scientific reports on air quality, atmospheric scientists, deposition, or similar.
- Experience in air quality and/or deposition monitoring is an asset.
- Must have experience in the analysis and reporting of data; the creation of validation procedures is an asset.
- Must be a good collaborator, open to helping team and cross-functional team members.
- Must have excellent computer skills, including the use of data and statistical software and tools: GIS, R, SAS software would be an asset.
- Must have excellent written and verbal communication skills.
- Should have a strong desire to mentor and share knowledge to help grow other team members.
- The ability to explain scientific or statistical concepts clearly, at a public level, is a strong asset.
- Requires strong problem-solving skills with the ability to understand trends and develop recommendations.
- Must be able to meet deadlines and conduct work in a timely manner.
- Maintain discretion when dealing with confidential information.
- A valid driver's license and a clean driving record.

**Schedule:** Full-time, 40 hours per week at 8 hours per day from Monday to Friday. Overtime may be required periodically, depending on operational needs.

**Employment Status:** Full-time, permanent

**Salary:** \$81,000.00 - \$105,000.00

**Work Location:** This is a local position, reporting to the WBEA Centre in Fort McMurray, Alberta.

**Pre-Employment Requirements:**

- Drug & Alcohol testing
- Valid Class 5 Driver's license, a clean driving record, and the ability to travel throughout the Regional Municipality of Wood Buffalo
- Criminal record check

**For more information, visit:** <https://www.wbea.org>

**Application Instructions:** Please submit a resume and cover letter that outlines why your skills, experience, and personality would make you an excellent candidate for the Atmospheric Scientist role at the WBEA. If you are interested in joining our growing team, please apply here:

<https://www.fitzii.com/apply/87776>



**Application Deadline:** Open until position is filled.

We offer our employees an attractive compensation package that includes a competitive salary, above-market group health benefits, a group RRSP plan, a northern allowance, and a commitment to career development.

*We thank all applicants for their interest. Only those selected for an interview will be contacted.*