



Job Description Form

Senior Environmental Officer

Position Number:	100782	Portfolio:	Approvals
Classification:	Specified Calling Level 3	Reports to:	Manager Air Quality Science, SCL4
Location:	Joondalup	Direct Reports:	Nil

Description

The Air Quality Branch is responsible for the development of air quality regulatory policy and studies, ambient air monitoring and provision of technical and scientific air quality advice to other parts of the department, the Environmental Protection Authority, other government agencies, industry and the community.

The Senior Environmental Officer in Air Quality Branch is responsible for high quality and timely strategic specialist air quality investigations, complex data analysis and provision of technical advice, with a focus on air quality modelling. The position provides mentoring and leadership to other environmental officers and assists the Section and Branch Managers with the provision of scientific advice and dealing with urgent and/or contentious issues.

Responsibilities

In context of above description, the role:

- Provide advice on air quality issues, to assist in resolving contentious issues, undertake and review air quality environmental impact assessments and inform consultation with external stakeholders.
- Undertake data analysis of air quality modelling including work undertaken by consultants and research organisations contracted by the agency, to support the development of air quality policies, guidelines, management strategies or strategic advice.
- Developing, maintaining and sharing of expertise in air quality modelling and atmospheric science and how these contribute to environmental assessment and decision making to improve knowledge and build capability throughout the department.
- Manage workload, prioritise deadlines and meet departmental operational requirements.
- Mentor or supervise less experienced team members on air quality related projects.
- Work with limited direction and using sound independent judgement.
- Contribute to the development of air quality policies, management strategies and guidelines.
- Undertakes additional duties as required within the skills and scope of the position capabilities and departmental needs.

Our people, our leaders, our values

At DWER, every employee is a leader. To support this, we have established clear [Leadership Expectations](#). For this role, you will be a [Personal Leader](#). Demonstrating the expected behaviours is crucial and aligned with the role's requirements.

Artwork developed by Nani Creative in collaboration with DWER and Wongutha artist and designer Kevin Wilson.



Our culture is shaped by our [values](#). All employees are expected to uphold equity, diversity and inclusion, work health and safety, and ethical principles in all aspects of their work. This includes demonstrating cultural responsiveness by valuing diverse perspectives and contributing to culturally safe, inclusive, and trusted services – particularly for Aboriginal people and communities.



**We serve to
make a
difference**



**We build
trust**



We care



**Open
minds**



**Better
together**

Work related requirements

Read these requirements in context of the above contents.

Essential

1. You hold a Bachelor of Science or an approved equivalent.
2. You have demonstrated experience and knowledge of air quality and atmospheric science, air quality dispersion modelling (e.g., AERMOD and CALPUFF) and programming languages (e.g., Python, R) to analyse complex environmental issues, evaluate evidence, and develop scientifically defensible advice (you think through complexity).
3. You have experience working autonomously within a program environment and coordinating project activities, managing competing priorities and adapting plans and approaches to ensure outcomes are delivered within required timeframes and to agreed standards (you lead adaptively).
4. You have well-developed oral communication and interpersonal skills, enabling you to explain scientific and technical concepts clearly, exchange ideas at a professional level, and lead and mentor staff to build capability and support team performance (you lead collectively).
5. You have well-developed written communication skills, with the ability to produce high-quality reports, guidance documents, and scientific papers that support knowledge sharing, regulatory processes, and informed decision-making (you deliver on high-leverage areas).

Desirable

6. Knowledge and experience in mesoscale meteorological modelling using the Weather Research and Forecasting (WRF) model.
7. Experience with photochemical air quality modelling using the Community Multiscale Air Quality Modelling system (CMAQ) or similar chemical transport model, including emissions processing and model configuration.
8. Familiarity with high-performance computing (HPC) environments, Linux operating environment and FORTRAN programming language.

Special requirements

- The department will conduct a national police check before offering employment.
- The position requires a current WA “C” Class Drivers Licence.