



Australian Government

Department of Climate Change, Energy, the Environment and Water

Team Leader Radiation

| | |
|---------------------------|---|
| Job Reference | 2024/2467 |
| Classification | Principal Research Scientist (EL 2) - \$169,040 - \$190,967 |
| Division | Office of the Supervising Scientist |
| Branch | Office of the Supervising Scientist |
| Section | Environmental Research Institute of the Supervising Scientist |
| Location | Darwin, NT |
| Employment Status | Ongoing (permanent) |
| Hours | Full Time |
| Security Clearance | None |

Who we are

The Office of the Supervising Scientist is responsible for protecting the environment of the Alligator Rivers Region, including Kakadu National Park, from the effects of uranium mining. We conduct independent research and monitoring, participate in and oversee the regulatory process for uranium mining in the region and develop standards and practices for environmental protection.

The Environmental Research Institute of the Supervising Scientist conducts world-class research for monitoring and assessing the environmental impacts of uranium mining. We are a multidisciplinary institute with research programs spanning environmental radiation, water and sediment quality, ecosystem restoration, geomorphology, omics, drone remote sensing and environmental applications of artificial intelligence.

Our Radiation program focuses on assessing the radiation impacts to the public and the environment from uranium mining activities. Our technical capabilities and work program include:

- low level radiochemistry, alpha and gamma spectrometry laboratories,
- measurement of natural decay series radionuclides in air, soil, water and biota (including Aboriginal bush foods),
- radiation surveys of legacy and rehabilitated uranium mining sites,
- modelling and assessment of radiation exposure pathways to the public and non-human biota from the dispersion and transfer of radionuclides in the environment,
- provision of technical advice on regulatory applications for uranium mining and other radiation-related actions,
- engagement with International Atomic Energy Agency technical programs.

The Job

As the Team Leader Radiation, you will:

- Lead and manage the work program of the radiation team (staff, budget, projects and resources) to ensure the safe and timely delivery of research and monitoring which informs the assessment of radiation impacts to people and the environment from uranium mining activities.
- Apply expert judgement and technical knowledge to determine sampling and analysis requirements to meet research and monitoring objectives, undertake field and laboratory work as required to collect and analyse samples.
- Evaluate radionuclide datasets and apply best practice methods for assessing radiation impacts to people and the environment from uranium mining activities, interpret results in the context of radiation protection standards and publish findings in peer-reviewed journals as lead author.
- Participate in stakeholder meetings and technical forums as a leading authority on radiation monitoring and impact assessment for uranium mining and other radiation-related activities.
- Develop and harness linkages with other government agencies, industry and/or universities for radiation research collaboration and capability building.
- Provide expert advice on regulatory applications for uranium mining and other actions in line with national and international standards for radiation protection.
- Fulfil the corporate role of radiation safety officer or deputy to ensure that regulatory requirements for laboratory use of radiation sources are met.

What we are looking for

Knowledge and experience

- Expert knowledge of radioactive decay processes and radiation exposure pathways relevant to uranium mining.
- Expert knowledge of national and international best practice recommendations for radiation protection of the public and the environment.
- Experience conducting radiation impact assessments for the public and the environment, preferably in a uranium mining context.
- Significant standing as a leader in radioecology and/or radiation protection nationally and internationally and proven record of high-quality research papers.
- Experience leading and managing a research program, including staff, budget, projects and resources.

Skills and capabilities

- Highly developed leadership skills that inspire a strong sense of teamwork and achieve results.
- Ability to train and mentor staff to build capability and capacity in radiation measurement and impact assessment.
- Ability to establish and foster research collaborations with other government agencies, industry and/or universities.
- Ability to represent the organisation nationally and internationally at scientific forums and on expert working groups.
- Ability to plan and undertake field work in remote locations for durations of up to a week at a time.

- Ability to understand radiation safety regulations and perform the duties of radiation safety officer.
- Highly developed technical writing skills as well as the ability to produce plain English summaries of technical information.
- Ability to communicate science to technical and non-technical audiences.

Mandatory qualifications

- A Doctor of Philosophy (PhD) from an Australian University or qualification of equivalent standard from an Australian or overseas university, or other qualification appropriate to the duties.

Eligibility and other requirements

Pre-employment Check - Your suitability for employment will be assessed through a pre-employment screening process. This process includes a requirement to undergo and satisfy a National Police Check, referee checks, character clearance and where required a pre-employment medical assessment, specified mandatory qualification(s) validation and a probation period of 6 months.

Statement of claims

Applicants are required to submit a statement of claims (**1000 words maximum**) outlining why you are interested in this position and why you believe that you have the skills, capabilities, knowledge and experience to be considered for this role. Please provide examples which demonstrate your ability to perform the duties of the position.

The key areas, or points, listed above describe the particular skills, capabilities, knowledge, and experience and where applicable the qualifications required to achieve the desired outcomes for the role and your statement of claims against these is an essential part of the shortlisting process. If shortlisted, applicants may be asked to attend an interview to provide further examples against these key areas/points to demonstrate their ability to perform the duties of the position.

Applicants must demonstrate the ways in which they will be of value to the job and the organisation. You must make sure that you adequately address each key area or point and cite evidence of your suitability. Do not simply state that you meet the requirements - it is essential that you provide examples from your current or past role(s) which demonstrate how you meet each of the key areas or points. You should focus on how your experience, achievements and capabilities will enable you to successfully undertake the responsibilities of the role(s).

Applicants are also required to submit a current CV/resume.

Work Health and Safety Obligations

All workers (APS1-Secretary) have a duty to take reasonable care for their own health and safety whilst at work, to ensure their acts or omissions do not adversely affect the health and safety of other persons and to comply with any reasonable instruction given to comply with the Work Health and Safety legislation.

All supervisors and managers (APS5-EL1) play a significant role by modelling safe work behaviours and clearly setting the standard for acceptable behaviour in the workplace. Supervisors

and managers play a critical role in supporting 'Officers' to exercise due diligence and in consulting with duty holders.

An Officer (EL2-Secretary) makes and participates in making decisions that affect the whole or a substantial part of the department. Employees at the SES Band 2 and above classification are considered to be Officers under the Work Health and Safety Act 2011 (Cth) with all EL 2 and above required to complete officer due diligence training. Officers have a duty to be proactive and continuously ensure that the department complies with relevant duties and obligations.

RecruitAbility

RecruitAbility applies to this vacancy. Under the RecruitAbility scheme you will be invited to participate in further assessment activity for the vacancy if you choose to apply under the scheme; declare you have a disability; and meet the minimum requirements for the position. For more information see <https://www.apsc.gov.au/recruitability>.

Contact

Name: Che Doering
Phone number: 0439 882 455
Email address: che.doering@dcceew.gov.au

Closing Date

Applications close: 11:00 pm (AEDT) on 11 December 2024

How to Apply

Apply for this role by submitting your application through our [online recruitment system \(eRecruit\)](#) located at the Department of Climate Change, Energy, the Environment and Water(DCCEEW) People and Jobs. If you have any questions regarding this role, email the contact officer.

Please Note:

From 2nd January 2023, if you wish to apply for a vacancy in the department you will need to create a new account to do so. Due to a change of recruitment systems, accounts used to apply for jobs in DCCEEW prior to 2nd January 2023 are not able to be accessed in the new system.

Your email is our primary method of contacting you; please make sure that the email and phone number you provide us is correct, current and accessible. **We recommend applicants to not use their work email on their application for accessibility.**