



Australian Government

Department of Climate Change, Energy, the Environment and Water

Team Leader Radiation

Job Reference	2024/2468
Classification	Senior Research Scientist (EL 2) - \$137,441 - \$170,165
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.

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The Environmental Research Institute of the Supervising Scientist conducts world-leading 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 current 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

- 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 sound 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 subject matter expert on radiation monitoring and impact assessment for uranium mining and other radiation-related activities.
- Provide 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

- Knowledge of radioactive decay processes and radiation exposure pathways relevant to uranium mining.
- 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.
- Proven record of high-quality research papers in the field of radioecology and/or radiation protection.

Skills and capabilities

- Ability to lead and inspire a team to achieve results.
- Ability to manage staff, resources, timelines and budgets.
- Ability to train and mentor staff to build capability and capacity in radiation measurement and impact assessment.
- 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.
- Sound 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.

The successful applicant must:

- hold a current Apply First Aid Certificate or have the ability to obtain this qualification
- hold and maintain a valid Australian motor vehicle drivers licence
- note that the physical requirements of the role(s) involve a combination of outdoor and office-based work
- note that you will be required to complete specific training (including refresher training) related to the role including remote area training, defensive driving, first aid and CPR courses
- Wear an official uniform supplied by the department, including during field operations (as applicable), in accordance with the department's uniform policy
- Wear appropriate protective personal equipment and clothing to comply with departmental Work Health & Safety policies and procedures
- Note that you will be required to travel in remote/isolated locations in northern Australia or its near northern neighbours, using a variety of transport including vessels, light/commercial aircraft, helicopters and manual four wheel drive vehicles
- Note that you will be required, from time to time, to work in difficult, remote and harsh environments (possibly for extended periods) under limited supervision or in teams

Note that relocation assistance is subject to negotiation.

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.

The Australian Public Service Commission has produced an excellent guide to applying for jobs in the Australian Public Service. You can access this information at APSCs [Cracking the Code](#).

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
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Email address: che.doering@dcceew.gov.au

Closing Date

Applications close: 11:00 pm (AEDT) on Wednesday 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.

In your application you should provide a copy of your current Resume/CV and address the following:

Submit a statement of claims (1000 Words Maximum) outlining why you are interested in this position and why you believe you have the skills, capabilities, knowledge and experience to be considered for this role.

Please Note:

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.**