

THE UNIVERSITY OF MANCHESTER
PARTICULARS OF APPOINTMENT
FACULTY OF SCIENCE AND ENGINEERING
FACULTY OFFICE – SCIENCE AND ENGINEERING
NUCLEAR COMPLIANCE TEAM – ENVIRONMENT LEAD
VACANCY REF: SAE-022926

Salary: Grade 6 £36,024 to £44,263 per annum
Hours: 1 FTE/ 35 hours per week
Duration: Fixed-Term for 2 years
Location: Oxford Road, Manchester

Enquiries about the vacancy, shortlisting and interviews:

Manager: James Schofield

Email: james.schofield-2@manchester.ac.uk

Overall Purpose of the Job:

The post holder will be responsible for supporting the implementation, commissioning, management, and operation of the University's new alpha radionuclide laboratory capability, and take the lead on supporting the team on environmental issues. The person appointed will report directly to the Nuclear Laboratory Control Manager (NLCM) and will work in the newly formed Nuclear Compliance core team, comprising the NLCM; Security, Safety, and Health Physics leads; and Project Co-Ordinator, and with the associated Academic and Technical teams.

The post holder will support the NLCM in discharging the University's obligations under Health and Safety Regulations, Environmental Permitting Regulations, Nuclear Industries Security Regulations, and associated regulations, and will support smooth implementation of Environmental, Radiological Safety and Security compliance of the work.

Key Responsibilities, Accountabilities or Duties:

Specifically on Environment

- On behalf of the University, to act (as required by the NLCM) as a point of contact for regulators on Environmental issues.
- To ensure the continued environmental compliance of both laboratories and specifically for the environmental lead
 - Management and oversight of an environmental maintenance schedule covering ventilation, extract, sources, wastes and discharge points
 - Preparing BAT submissions for existing and new operations or releases
 - Managing facilities to Best Available Techniques (BAT) for environmental and waste practices
 - Preparing temporary and permanent variations to permit for discharges and holdings
 - Preparing environmental risk assessments for operations or modifications.
 - Managing facilities to Best Available Techniques (BAT).
 - Interpretation and reporting on workplace and environmental protection systems (air monitoring and hazardous gases).
 - Intelligent customer management and oversight of the environmental maintenance schedule.
 - Manage source transport activities and waste transport activities in accordance with dangerous goods class 7 requirements.
 - Report material movements to our regulators, the EA and ONR, in collaboration with the Building Safety Advisor and Radiation Safety Unit.

General

- Support
 - the completion of a laboratory build project and the transfer of the building into University operation: acting as an interface between the technical leads and the project team, as appropriate.
 - the NLCM in the maintenance of the laboratory Safety Environment and Security Report, which demonstrates University control of operations in the radioactive laboratories.
 - the resident technical teams in:
 - managing the radioactive laboratories including advising on adequate supervision arrangements, staff succession plans, minimum staffing, key role succession and management of change to ensure any changes are controlled and well managed.
 - in preparing and reviewing risk assessments for work in the laboratories.
- Ensure the safe management of safety systems, compliance tests, operational checks and maintenance of operational assets that together support the laboratory Environmental, Safety and Security case(s).
- To assess, permission and operationally oversee activities being undertaken in the radioactive laboratories (not scientific supervision, but suitability of plant, people, and process day to day). This will include liaison with the technical teams to ensure co-ordination of required maintenance into the technical team's work programmes

- To undertake an active role in the Operator's Emergency Plan and support co-ordination of demonstration exercises to maintain operational readiness in the event of an incident.
- To represent the NLCM within the University and externally on operational and regulatory matters associated with radioactive laboratories.
- The role would be trained to undertake a key task (e.g. Area Supervisor role) in the event of an emergency associated with the laboratories.

PERSON SPECIFICATION

Essential Knowledge, Skills and Experience:

- Hold a good engineering / scientific degree.
- Good general understanding of Safety, Security and, specifically, Environment, requirements.
- Several years detailed experience of:
 - Operating radionuclide research laboratories (chemistry or materials science/process engineering) and their compliance arrangements.
 - Management of sealed and open sources in accordance with EA, ONR and IAEA standards
 - the Ionising Radiation regulations
 - The Environment Act and The Energy Act
 - Material Safeguard and Transport regulations
 - Preparation and submission of Environmental Permits and Environmental Reporting to the Environment Agency
 - Preparation of radiological waste management strategies on radiological/nuclear sites
 - Compliance with ISO Standard 14001/45001
 - Experience of implementing emergency arrangements on high hazard plants (ideally radioactive or nuclear)
 - liaising with Environment Agency and/or Office for Environmental Protection (OEP) at all levels both individually and in review type settings.
- Excellent interpersonal skills and experience of interpreting and presenting complex issues in a clear simple way.
- Able to apply technical knowledge and experience to make judgement decisions on a broad range of technical disciplines.
- Able to work in the facility/on-site full time.
- Able to be part of an on-call rotor for emergency response.
- Able to pass and maintain BPSS/CTC