

Job Title: Hygienist & Beryllium Coordinator IO0982

Req ID **1540** - Posted **09/04/2020** - (France, 13067 St Paul Lez Durance Cedex) - **Safety and Security - New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this video

Application deadline: 20/05/2020

Domain: Director-General

Department: Safety & Quality Management

Job Family: Organizational Support

Job Role: Coordinating Officer

Job Grade: P4

Language requirements: Fluent in English (written & spoken)

Contract duration: Up to 5 years

Purpose

As ITER's Hygienist & Beryllium Responsible Officer (RO), you will be responsible for providing risk characterizations and monitoring exposure to a variety of chemical substances including Beryllium. You will develop and implement procedures associated with chemical/beryllium topics, in addition to working closely with experts to help you instill a clear chemical and beryllium safety culture at ITER Organization (IO).

You will act as a primary point of contact for all matters related to the documentation, handling and assembly activities where chemicals and beryllium are involved. Your main aim is to protect workers and the public against the danger arising from ITER chemical or beryllium exposure.

Background

The ITER Fusion Reactor will use many chemical products and about 12 tons of beryllium metal which acts as the fast neutron absorber and armor for the Blanket First Wall (FW). The FW panels will be tested and stored in the Tokamak Assembly Preparation Building and then assembled in the Vacuum Vessel (VV). It is possible that contamination of structures, systems or components may occur during transport activities, assembly and installation phases, or during operation and dismantling. The facility may also use 100 – 200 kg of beryllium pebbles for the Test Blanket Modules, as well as small amounts of beryllium for other components. The Hygienist & Beryllium RO will be a key member of the Safety & Quality Department (SQD) and will liaise with a variety of managers depending on the subject.

Major Duties/Roles & Responsibilities

- Works closely with Occupational Health & Safety Section (OHS), radiation and contamination experts along with other internal or external Beryllium experts to ensure that all activities are carried out in consistency with occupational health and safety standards;
- Provides support as needed to various stakeholders in their interface and communication with the French Nuclear Safety Authority (ASN), the Direction Régionale de l'Environnement, de l'Aménagement et du Logement (DREAL) and the Regional Labour inspectorate (DIRECCTE) for activities related to chemical substances and beryllium across the ITER project (including design, manufacturing, assembly and installation, commissioning and operation);
- Takes an active part in the ITER Beryllium Management Committee and plays a key role in developing, implementing and monitoring an effective Chemical and Beryllium Management & Control Program (which guarantees to implement ITER's commitments related to beryllium exposure with regards to the ASN, DREAL or the Labour inspectorate requirements);
- Instils a clear chemical and beryllium safety culture within the IO and Domestic Agencies (DAs) and develops training and qualification programs for ITER workers, stakeholders and line managers;
- Manages the status of all documentation related to chemicals and beryllium, and proposes plans to either revise and complete existing documents or produce new required documents;
- Provides onsite field guidance and expertise, as appropriate, during the assembly phase, to both contractors and the Construction Domain when chemicals or Beryllium need to be handled;
- In coordination with Security, Health & Safety Division (SHS), monitors and approves involvement of IO staff to beryllium activities;
- Defines, in collaboration with OHS, appropriate protective equipment and personal protective and respiratory equipment, monitors them and their maintenance;
- In collaboration with occupational doctors, develops and maintains databases for facility surveillance, personal air sampling, the IO Beryllium Inventory and Beryllium Worker Roster and exposure monitoring;
- Supports the development of clear procedures including the management and/or clearance/approval of Risk Assessments, ALARA Plans, Beryllium Zone designations and controls, Engineering Controls, Beryllium Aspects of Facility Designs, Beryllium Work Permits, Standard Operational Procedures, Sampling Plans, Delivery of Procured Beryllium Components, Housekeeping Plans, and Release and Transfer Plans;
- Collaborates with Operations Division in addressing beryllium and chemical hazards;
- Is required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, week-ends and public holidays.

Measure of Effectiveness

- Provides effective support and sound advice for activities related to beryllium to all stakeholders;
- Executes the required tasks in coordination with the ITER Beryllium Management Committee and program in a timely manner, including on-schedule production, review and approval of beryllium management documentation;
- Effectively communicates and collaborates with all IO and DA stakeholders to ensure a smooth execution of the required tasks;

- Effectively promotes and contributes to safety objectives dealing with Chemicals and beryllium workers and preventing any exposure to operators and the public, through specific steps such as ALARA planning and implementation, and minimizing the possibility of workers being in contact with beryllium;
- Upon appointment, works on as priority:
 - (1) Pro-actively guiding the final review and approval process for the Beryllium Management Plan and the Beryllium Code of Practice, and incorporates any needed revisions in these documents; and
 - (2) Reviewing and revising as needed, procedures for visits of beryllium sites by IO beryllium workers.

Experience & Profile

- **Professional Experience:**
 - At least 10 years' experience in managing and coordinating chemical and beryllium operations from an industrial or occupational health & safety perspective, preferably within a nuclear environment.
- **Ability to obtain and maintain French Security clearance.**
- **Education:**
 - Master's degree or equivalent in science, occupational hygiene, or engineering or other relevant discipline;
 - Further qualifications specific to occupational hygiene, occupational health or other would be advantageous;
 - The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
 - Relevant regulations and requirements, and of national (French), preferably international beryllium protection standards and recommendations;
 - Supporting and advising on chemical and beryllium activities on site including assembly, maintenance, decontamination or decommissioning activities;
 - Working with the ASN, DREAL or DIRECCTE would be advantageous;
 - Development of procedures in respect with ALARA principles;
 - Creating and promoting a clear safety culture and developing associated training/development plans and material;
 - Engineering controls or beryllium facilities.
- **Language requirements:**
 - Fluent in English (written and spoken).
 - Fluency in French would be an asset.
- **Technical Competencies and demonstrated experienced in:**
 - Relevant regulations and requirements, and of national (French), preferably international beryllium protection standards and recommendations;
 - Supporting and advising on chemical and beryllium activities on site including assembly, maintenance, decontamination or decommissioning activities;
 - Working with the ASN, DREAL or DIRECCTE would be advantageous;
 - Development of procedures in respect with ALARA principles;
 - Creating and promoting a clear safety culture and developing associated training/development plans and material;
 - Engineering controls or beryllium facilities.
- **Behavioral Competencies:**
 - Collaborate: Ability to facilitate dialogue with a wide variety of contributors and stakeholders.

- Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment.
- Drive results: Ability to persist in the face of challenges to meet deadlines with high standards.
- Manage Complexity: Ability to analyze multiple and diverse sources of information to understand and define problems accurately before moving to proposals and solutions.
- Instill trust: Ability to apply and model high standards of team mindset, trust, excellence, loyalty and integrity.

The following important information shall apply to all jobs at ITER Organization:

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project's objectives.