TITLE: Radiological Monitoring Section Leader			CEP-065
<b>REPORTS TO LINE MANAGER:</b> Fuel Cycle Engineering Division, Central Engineering and Plant Support Department			
DIRECT EMPLOYEMENT: REQUIRED		GRADE RANGE: P5	
Date Written: December 2007	Date Revised: January 2009	Date Revised:	

## **Purpose:**

To manage all design aspects, procurement and contract management of the ITER Radiological Protection and Environmental Monitoring (RP&EM) systems package. This task covers not only specific design work associated with radiological aspects (neutrons, activated material, tritium) but shall also account for other industrial hazards encountered in ITER such as Beryllium.

## Major Duties / Responsibilities:

- Implements the requirements of the French regulatory authorities for radiological instrumentation standards, environmental monitoring and occupational safety hazards in conjunction with the ITER Safety Group;
- Develops and documents the radiological protection and environmental monitoring program requirements for all ITER facilities;
- Reviews the ITER Design Description Document SRD-64 RP&EM system to propose updates and revisions in light of the construction at Cadarache;
- Reviews the ITER building designs to revise the requirements for RP&EM instrumentation;
- Produces interface documents with other ITER groups involved in the implementation of the ITER RP&EM system, including data acquisition, alarm handling, power supplies, buildings, ventilation, and other services;
- Produces assembly and installation plans of the RP&EM instruments and equipment in collaboration with other ITER groups;
- Produces specifications for the ITER RP&EM laboratory and associated equipment in conjunction with the ITER Safety group;
- Produces full technical specifications for the procurement of all the radiological protection instruments and monitoring systems required by ITER;
- Supervises procurement contracts with suppliers;
- Supervises assembly installation and commissioning of radiological protection instrumentation equipment.
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

## **Qualifications and experience:**

- Education:
  - Degree at least equivalent to 4 years of study after the High School Diploma in Nuclear Engineering;
  - Specific experience or education in radiological instrumentation design is required.

# • Technical Experience:

- 15+ years experience in the design and implementation of radiological instrumentation and environmental monitoring systems in a large nuclear or radioactive isotope handling facility;
- Experience with procurement contracts, including the negotiation and agreement of technical development of equipment;
- Demonstrated experience in negotiations with nuclear regulators would be advantageous.
- People Management Experience:
  - A demonstrated capability to lead a multidisciplinary team and to interact with experts in many scientific disciplines.
- Social Skills:
  - Ability to work effectively in a multi-cultural environment.
- Language Requirements:
  - Very good command of English, both spoken and written, is essential.

## Work Direction and Interfaces:

• Reports to the Fuel Cycle Engineering Head of Division. Interfaces with groups involved in confinement systems, data acquisition, alarm handling, power supplies, buildings, ventilation and other services.

## Authority/Approval Levels:

This position has authority and approval levels generally defined by the DDG Central Engineering and Plant for his/her scope of work.

## **Measures of Effectiveness:**

- Successfully supports ITER Tokamak Complex design, including identification of design changes required and establishing priority level and means of their implementation;
- Successfully supports to RP&EM related activities in the licensing process.