TITLE: Tritium Plant Section Leader		**CEP- 015**
REPORTS TO LINE MANAGER: Fuel Cycle Division Head of The Central Engineering and Plant Support Department		
DIRECT EMPLOYMENT : NOT REQUIRED		**GRADE RANGE:** P4-P5
DATE WRITTEN: December 2007	**DATE REVISED:**	**DATE REVISED:**

Purpose:

- A senior scientist / engineer is required, responsible for all design aspects and integration of the whole ITER Tritium Plant, including R&D, detailed design and layout of primary tritium and confinement systems, development of technical specifications and procurement arrangements, and also Radiological Protection and Environmental Monitoring.

Major Duties / Responsibilities:

- Act as a Responsible Officer for the Tritium Plant.
- Compile and assess all Tritium Plant systems requirements.
- Responsible for primary tritium and for detritiation and confinement systems, integration and layout of the Tritium Plant as a whole.
- Manage all the interfaces to Tritium Plant associated ITER systems and components, particularly those that contain or handle tritium, and interface to buildings, including penetrations and supports.
- Responsible for the consistency of the Tritium Plant procurement and construction planning.
- Coordinate and direct the work of the Tritium Plant system engineers and the contributions from the Domestic Agencies (DAs), including design and R&D.
- Implement the ITER Radiological Protection and Environmental Monitoring (RP&EM) systems.
- Liaise with the Domestic Agencies with respect to Procurement Packages.
- Provide support in the licensing activities and assessment of safety related functions in close contact with the safety group.
- General supervision of procurement and contracts with suppliers.

Qualifications and experience:

- University degree (or equivalent) in nuclear technology or chemical engineering.
- Wide-ranging knowledge in gas processing technologies, isotope effects, vacuum technology, analytical methods, heterogeneous catalysis, gas (hydrogen) / solid interactions, metal physics.
- Deep knowledge of all aspects of fusion tritium science and technologies.
- At least 10 years of expertise in development, design, manufacturing, commissioning and operation of tritium handling systems.
- Deep knowledge of the design details, technical requirements and safety functions of the Tritium Plant and understanding of the ITER project itself.

- Wide experience in contract and project management, preferably in an international environment.
- Success in working effectively in a multi-cultural environment and in international collaborations.
- Ability to lead a team and giving guidance to tritium experts in DAs.
- Very good command of both spoken and written English.

Work Direction and Interfaces:

- He/she reports to the Fuel Cycle Division Head of the Central Engineering and Plant Systems Directorate.
- Interfaces with DAs and other ITER groups involved in the Fuel Cycle, in safety systems, CODAC, and in buildings or other services.

Authority/Approval Levels:

- Has authority and approval levels generally defined by the DG for his/her scope of work.

Measures of Effectiveness:

- Wide-ranging achievements within the tasks assigned above under “Main Duties / Responsibilities”.
- Timely preparation of material required for the project.
- Successful communication with other groups interfacing with the Tritium Plant of ITER.
- Management and integration of the contributions from DAs in Tritium Plant R&D, design and in-kind procurement.