

# NUCLEAR TECHNOLOGY EDUCATION CONSORTIUM

N09

## POLICY, REGULATION & LICENSING

### Summary

The nuclear industry is one of the most heavily regulated industries in the UK. Regulatory issues necessarily impact upon the development of national policy in environmental and energy areas. This module covers the legal framework and the institutions involved in governing the industry and sets these in the international and European policy context. The law and policy relating to the development of new nuclear facilities, operational matters, decommissioning and radioactive waste management will be covered.

On completion, students should:

- Be able to explain the policy context in which the nuclear industry operates and, in particular, the different views on its contribution to a sustainable energy programme.
- Be able to list key legal instruments and explain why they have been made.
- Be able to explain the principles guiding regulation in the nuclear industry and comment on the way that they are used.
- Be able to describe clearly the governing bodies, nationally and internationally, responsible for formulating policy, promulgating laws and regulations and enforcing them.
- Be able to explain clearly the responsibility of the employer and the individual in respect of ensuring nuclear safety.
- Be able to identify the legislation applicable to the student's organisation, and how this is applied.

### Syllabus

- Public bodies involved in determining nuclear policy and regulating the industry at international, European and national levels and the context in which they work
- Nuclear Industry Policy and Regulation: Understanding the *Realpolitik*
- Energy Act 2008 and new build
- Nuclear Installations Act
- Licensing issues
- Safety assessment, plant justification, engineering substantiation, competency standards
- Radioactive Substances Act -- Discharge Authorisations
- National Strategy for Radioactive Discharges 2001 – 2020
- Liabilities: Managing the Nuclear Legacy – Energy Act 2004
- Transport of Radioactive Material
- UK Radioactive Waste Policy – the MRWS process