

**Cross-over of Skills from the  
Non-nuclear Sector**

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## Introduction

- Role of the NDA
  - NDA is a non departmental public body responsible for decommissioning and clean-up of the UK's civil public sector nuclear sites, specifically;
    - developing UK-wide nuclear Low Level Waste (LLW) strategy and plans;
    - the long-term management arrangements for the UK's higher radioactive wastes; and
    - 19 former UKAEA and BNFL sites.
  - How can the non nuclear sector assist the NDA in delivering their responsibilities.
  - Specific focus on skills available in the construction industry.

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## Environmental Responsibility



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## Cross over skills

- Construction industry
  - Consultants, designers, environmental, geotechnical
  - Contractors, site investigation – heavy construction.
- Academia and Scientists
  - Research and development, teachers,
- Media and Communications
  - Engagement of stakeholders in consultations
- Deep Mining and Tunnelling,
  - Expertise in deep excavations,
- Oil Industry
  - Deep exploration technology

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## NDA and the RWMD

- July 06, CoRWM recommendation was for Deep Geological Disposal
- June 2008 White Paper "Managing Radioactive Waste Safely: A Framework for Implementing Geological Disposal".
- Sets out the Government framework for the long term management of higher activity nuclear wastes
- NDA are the delivery authority for the facility and specifically the RWMD (Radioactive Management Directorate).

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## Current Consultations for GDF

- three current NDA consultations for the Geological Disposal Facility
  - research and development
  - stakeholder engagement and communications framework
  - framework for sustainability appraisal and environmental assessment



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## What Skills do the NDA need to meet the objectives of the consultations

- research and development
  - **Academic, construction, chemical engineers, waste treatment,**
- stakeholder engagement and communications framework
  - **Media and communications**
- framework for sustainability appraisal and environmental assessment
  - **Site assessment and investigation**
  - **Environmental impact assessment**

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## Site Decommissioning

- Land Contamination and Remediation
  - Radioactive
    - Nuclear licensed sites and land associated with them
    - Non licensed defence nuclear sites
  - Non Radioactive
  - Civil sites
  - Industrial heritage sites
  - Common Legislative Responsibilities
    - Environmental Protection Act, Health and Safety at Work



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## Skills Required for Decommissioning

- Land Decontamination
  - Site investigation, risk assessment, remedial designers
  - Brownfield land remediation contractors
- Plant Decommissioning
  - Demolition
  - Decontamination
  - Civil structural engineers
  - Chemical engineers
  - Health physicists



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## Who are the PBO's and SLC's

- Site Licence companies SLC manage the sites.
- The Parent Body Organisation, Partners to NDA responsible for delivery of the site programmes.
- PBO and SLC made up of consortia of companies.
- Nuclear Management Partners are the preferred bidders for the Sellafield Site Licence Company
  - AMEC, Areva and URS Washington
- PBO own shares in the SLC

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## Training and Development

- Skills exist across industry sectors
- Regulatory concept and approach shows commonality
- Training and top-up tuition to non nuclear professional
- Workshops
- Industry Forums



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## Opportunities

- NDA
  - Job opportunities
  - competition
  - Supplier briefs aimed at company's interested in providing services wrt to site investigation and construction phases of the GDF development.
- PBO
  - Competitive tendering
  - Job opportunities
- SLC
  - Demolition
  - Land decontamination

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## Useful Links

- Useful links to consultations & stakeholder organisations
- <http://www.nda.gov.uk>
- <http://www.corwm.org.uk>
- <http://www.sellfieldsites.com>

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