

# COGN400

## Dismantle contaminated plant, structures and equipment used within nuclear facilities



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### Overview

This unit covers the competence required to dismantle contaminated plant, structures and equipment used within nuclear facilities (assets) in accordance with specifications. This means the act of removal and disposal of the asset and/or removal or disposal of legacy waste items, contaminated plant and equipment.

This unit deals with the following:

1. Dismantle contaminated plant, structures and equipment used within nuclear facilities

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

### Previous Version:

Adapted from Unit N400 of Nuclear Decommissioning NOS – version October 2005.

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### Performance criteria

*You must be able to:*

- P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines
- P2 establish and, where appropriate, mark **component** for re-assembly
- P3 ensure that any stored energy or substances are released safely and correctly
- P4 make all isolations and disconnections to the **equipment** in line with approved procedures
- P5 carry out the **dismantling** to the agreed level using correct tools and techniques
- P6 store **components** for re-use in approved locations
- P7 dispose of unwanted **components** and substances in accordance with approved procedures
- P8 deal promptly and effectively with problems within your control and report those that cannot be solved

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### Knowledge and understanding

*You need to know and understand:*

- K1 health and safety legislation, regulations and safe working practices and procedures
- K2 how to access and interpret drawings and related specifications
- K3 the methods and techniques used in dismantling
- K4 the methods and techniques used in handling equipment
- K5 the tools and equipment used to carry out dismantling and size reduction
- K6 tool and equipment care and control procedures
- K7 how to shield from radiation sources
- K8 how to prevent the spread of contamination
- K9 the properties and types of radiation present in the facility
- K10 the storage arrangements for radioactive/contaminated items
- K11 the waste disposal procedures
- K12 reporting lines and procedures

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### Additional Information

#### Glossary

The following terms have a specific meaning in this unit:

##### **Plant, structures and equipment**

- Irradiated and/or contaminated
- Full assemblies
- Sub-assemblies

##### **Components**

Any item which is part of the **Plant, structures and equipment** being dismantled

##### **Dismantling**

- Items are readily accessed
- Items are within a radiation/contamination controlled environment

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**Suite** Nuclear Decommissioning

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