



**Australian Government**

# **UEGNSG219 Conduct excavations in the utilities industry**

**Release: 1**

# UEGNSG219 Conduct excavations in the utilities industry

## Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

## Application

This unit involves the skills and knowledge required to prepare, conduct and complete excavation work and relevant documentation in the utilities industry.

It includes site preparation and planning, including traffic control, and excavation and back filling work in accordance with relevant legislation, industry standards, codes of practice and workplace procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Not applicable.

## Competency Field

Transmission and Distribution

## Unit Sector

Gas Industry

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare to conduct excavation work

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Work health and safety (WHS)/occupational health and safety (OHS) and environmental measures for the site are identified, obtained and applied in accordance with workplace procedures
- 1.2 Job requirements and workplace procedures for the site are discussed with relevant person/s to confirm the work

schedule

- 1.3** Hazards are identified and reported to the supervisor to assess risks and control measures implemented in accordance with workplace procedures
  - 1.4** Scope of responsibility under the relevant work permit and/or relevant authorisation is obtained and confirmed with relevant person/s in accordance with job requirements and workplace procedures
  - 1.5** Equipment, tools, excavation machinery and personal protective equipment (PPE) required for the excavation work are identified, obtained and checked for correct operation and safety in accordance with manufacturer instructions and workplace procedures
  - 1.6** Materials, plans, diagrams, maps, drawings and resources required for the excavation are obtained and confirmed with relevant person/s and against job requirements in accordance with workplace procedures
  - 1.7** Responsibilities for safety and emergency procedures for an incident at the work site are checked and confirmed with relevant person/s
  - 1.8** Client issues are referred to relevant person/s in accordance with workplace procedures
  - 1.9** Location of other utility services, site preparation and work schedule are confirmed against job requirements and relevant maps, diagrams and plans in accordance with workplace procedures
  - 1.10** Traffic management signs, barriers and warning devices are confirmed as correctly positioned with relevant person/s in accordance with job requirements, traffic management plans and workplace procedures
- 2 Conduct excavation work**
- 2.1** WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out work are followed
  - 2.2** Materials, tools, plant and equipment for the excavation work are selected and used safely in accordance with manufacturer instructions and workplace procedures
  - 2.3** Hazardous activities associated with excavation work are conducted in accordance with job instructions, safety

requirements and workplace procedures

- 2.4 Excavation work, shoring and trenching, is carried out to industry standards, without waste of materials or damage to apparatus, equipment, and the surrounding environment or services using sustainable energy principles
  - 2.5 WHS/OHS risks, incidents and unplanned events are reported to authorised person/s for directions in accordance with workplace procedures
  - 2.6 Quality and safety checks are carried out in accordance with workplace procedures
- 3 Complete excavation work and relevant documentation**
- 3.1 WHS/OHS risk control measures for work completion are reviewed, monitored and followed
  - 3.2 Backfilling is performed, work site rehabilitated, tidied, made safe and markers installed or re-instated in accordance with work schedule and workplace procedures
  - 3.3 Tools, plant, equipment and any surplus resources and materials are cleaned, checked and securely stored in accordance with workplace procedures.
  - 3.4 Relevant person/s are notified of work completion in accordance with workplace procedures
  - 3.5 Documentation is completed and provided to relevant person/s in accordance with workplace procedures

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEG Gas Industry Training Package Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to UEGNSG219A Conduct excavations in the utilities industry.

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>