



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **PUAOIL201 Use basic equipment operations for oil spill response**

**Release: 1**

## PUAOIL201 Use basic equipment operations for oil spill response

### Modification History

PUAOIL201 Release 1: Primary release.

### Unit Descriptor

This unit covers the competency required to operate and deploy, operate, monitor and recover basic (Tier 1) oil spill response equipment as part of a team

### Application of the Unit

This unit applies to personnel deployed to operate basic (Tier 1) oil spill response equipment

### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

Not applicable.

### Employability Skills Information

This unit contains employability skills.

### Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

- |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Undertake a health and safety site review</b> | 1.1 Identify and communicate potential hazards and risks.<br>1.2 Report hazards and risks in accordance with policies and procedures.<br>1.3 Select, use maintain and store personal protective equipment in accordance with both occupational health and safety and material safety data sheet requirements.                                                                                                                                                                                                  |
| <b>2. Prepare Tier 1 equipment for use</b>          | 2.1 Use the incident action plan (IAP) and/or the site-specific deployment plan to identify and select <b>oil spill response equipment</b> according to supervisor's instructions.<br>2.2 Use manufacturer's specifications and <b>standard operating procedures</b> (SOPs) in the management of routine <b>pre-operational checks</b> of equipment while working as part of a team.<br>2.3 Report unsafe or faulty equipment in accordance with workplace procedures and set aside for repair or replacement. |
| <b>3. Operate and/or deploy Tier 1 equipment</b>    | 3.1 Operate and maintain equipment in accordance with manufacturer's specifications, SOPs and supervisor's instructions while working in a team.<br>3.2 Complete work tasks in accordance with health and safety requirements and the IAP.<br>3.3 Identify, <b>action</b> and monitor <b>environmental implications</b> associated with the operation and maintenance of equipment.<br>3.4 Monitor <b>environmental conditions</b> in conjunction with operational activities.                                 |
| <b>4. Check, clean and store Tier 1 equipment</b>   | 4.1 Report equipment use in accordance with IAPs/SOPs and/or the incident management system<br>4.2 Clean, secure and store equipment in accordance with manufacturer's specifications, maintenance manuals, supervisor's instructions and/or SOPs.<br>4.3 Report equipment malfunctions, faults, wear or damage to supervisors for actioning.<br>4.4 Maintain and clean workplaces in accordance with Occupational Health and Safety requirements.                                                             |

## Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

### Required Skills

- ability to identify hazards:
- environmental
- physical
- chemical
- take appropriate initiative relating to the handling and monitoring equipment
- communicate effectively with others
- modify activities dependent on workplace situations including risk and environment
- read and interpret material safety data sheets
- monitor equipment performance
- complete maintenance checks and identify any required maintenance
- work safely and collaboratively with others
- recognise and address problems when dismantling, inspecting and assembling equipment
- work effectively within a team environment
- safe loading and unloading of materials

### Required Knowledge

- OHS responsibilities
- safe working procedures
- operational characteristics of equipment
- operation of equipment in accordance with SOPs
- environmental impact of equipment

## Evidence Guide

### Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to:  
Work effectively in a team to safely deploy and monitor basic (Tier 1) equipment for the containment, recovery and storage of oil.

### Context of and specific resources for assessment

Competency should be assessed in a simulated response environment or operational situation.

### Method of assessment

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.  
Assessment may occur in an operational environment or in an approved simulated environment.  
Forms of assessment may include:

- direct observation
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions
- case studies

**Guidance information for assessment**

Where possible assessment should be completed holistically and may be assessed with other relevant units of competence. For example this unit may be assessed with PUAOIL302 Use advanced equipment operations for oil spill response.

**Range Statement**

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

***Hazards*** may include:

- chemical
- working environment:
- heat
- cold
- operational:
- vehicles
- manual handling
- slips, trips and falls
- noise

***Risks*** may include:

- fatigue
- hyper/hypothermia
- dehydration
- hearing loss
- physical injury
- equipment damage
- poisoning
- burns
- respiratory problems
- injection - hydraulic and pneumatic

***Personal protective equipment as dictated by the material safety data sheets and the work environment*** may include:

- personal flotation device (PFD)
- hearing protection
- boots (appropriate to conditions)
- gloves (chemical and / or abrasive protection)
- eye protection
- respirators
- disposable overalls

***Oil spill response equipment*** may fall into the following categories:

- containment:
- general purpose boom + ancillary equipment
- shoreline boom + ancillary equipment

- recovery:
  - passive weir skimmer
  - positive displacement pump
  - storage:
  - temporary storage
  - ancillary:
  - correct use of sorbents
  - anchor kit
  - procedures identifying safe and effective work method statements
- Standard operating procedures*** are:
- Pre-operational checks*** may include:
- equipment 'in-test' tagged and tested – electrical, slings, hoses
  - maintenance checks
  - pre-start and stop
  - safety checklist
  - fuels, fuel lines and oil
  - battery electrolyte levels, wheels and tyre pressure
  - air filters
  - safety guards
  - safety signs and barricades
- Actioned*** may include:
- logged
  - verbal
  - written
- Environmental implications*** may include:
- secondary contamination (decontamination station)
  - waste (hot and cold zones)
  - sensitive areas
  - wildlife habitats
  - flora/fauna
- Environmental conditions*** may be:
- weather
  - tides
  - current
  - isolation

## Unit Sector(s)

Marine pollution response.