



**Australian Government**

# **PMAOPS236 Monitor continuous process plant**

**Release: 1**

# PMAOPS236 Monitor continuous process plant

## Modification History

Release 1. New unit

## Application

This unit of competency covers the skills and knowledge required to monitor continuous process plant as part of an operational team.

The operator will be required to identify requirements for the shift, monitor a plant/plant area, log and interpret readings and observations, take specified actions under identified circumstances, and complete documentation.

This unit of competency applies to an individual who may work alone although under the routine direction and supervision of a person who is competent to undertake the complete operation of the plant/plant area. They may work as part of a team or group and will work in liaison with other shift team members and the control room operator, as appropriate.

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

## Pre-requisite Unit

Nil

## Competency Field

Operations

## Unit Sector

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |   |                         |     |  |
|---|-------------------------|-----|--|
| 1 | <b>Prepare for work</b> | 1.1 | Receive and give shift handover                |
|   |                         | 1.2 | Identify work requirements                     |
|   |                         | 1.3 | Identify and control hazards                   |
|   |                         | 1.4 | Coordinate with appropriate personnel          |
|   |                         | 1.5 | Check for recent work undertaken on plant item |

- |   |  |     |  |
|---|--|-----|--|
|   |  | 1.6 | Note any outstanding/incomplete work   |
|   |  | 1.7 | Check operational status of plant and equipment in work area   |
| 2 | <b>Monitor plant in work area</b>                | 2.1 | Identify the type and duty of plant item   |
|   |  | 2.2 | Complete routine checks  |
|   |  | 2.3 | Monitor plant item and plant area frequently and critically throughout shift using measured/indicated data and senses as appropriate |
|   |  | 2.4 | Complete logs and paperwork  |
|   |  | 2.5 | Identify impacts on the plant of any changes upstream and downstream of the plant  |
|   |  | 2.6 | Identify upstream and downstream impacts of any changes on the plant   |
| 3 | <b>Take action in accordance with procedures</b> | 3.1 | Communicate observations   |
|   |  | 3.2 | Recognise situations which may require action  |
|   |  | 3.3 | Make required adjustments to plant/process appropriate to the type of plant and its duty   |
|   |  | 3.4 | Resolve routine problems   |
|   |  | 3.5 | Take appropriate actions on other abnormal situations to make safe and have the situation resolved                                   |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Regulatory framework** The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:

- legislative requirements, including work health and safety (WHS)
- industry codes of practice and guidelines
- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

All operations to which this unit applies are subject to stringent health, safety and environment (HSE) requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and HSE requirements, the HSE requirements take precedence.

**Procedures** All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or more of the following:

- organisation procedures relevant to data systems, data security, record keeping, privacy, internet usage and intellectual property (IP)
- manufacturers' manuals
- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the organisation

**Identifying hazards** Hazards include one or more of the following:

- plant services (steam, condensate and cooling water)

- slip/trip hazards
- PPE is unavailable and/or not functional
- electricity
- gas
- gases and liquids under pressure
- unsafe equipment and hazard controls not functional
- industrial (machinery, equipment and product)
- equipment or product mass
- noise, rotational equipment or vibration
- limited head spaces or overhangs
- fire and explosion
- flammability and explosivity
- hazardous products and materials
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- extreme weather
- other hazards that might arise

### **Routine problems**

Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of the following:

- readings being out of range
- unusual observation on plant
- change in weather
- process upset

Known solutions are drawn from one or more of the following:

- procedures
- training
- remembered experience

Non-routine problems must be reported according to relevant procedures.

## **Unit Mapping Information**

Release 1. New unit

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>