



**Australian Government**

# **NWPTRT005 Monitor and operate water treatment processes**

**Release: 1**

# NWPTRT005 Monitor and operate water treatment processes

## Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

## Application

This unit involves the skills and knowledge required to monitor and operate water treatment processes.

It includes reporting on water treatment plant system performance and processing quality control. It also includes operating water treatment processes, and complying with relevant legislation, regulations and guidelines.

This unit applies to operational staff in water treatment plants with responsibility for the practical and safe operation of plant, equipment and processes. Those undertaking this unit would work under appropriate supervision, while performing routine tasks, within a familiar context.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

Treatment

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Prepare for work**

### PERFORMANCE CRITERIA

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

#### **1.1 Determine work requirements from job specifications and plans**

- |                                                  |            |                                                                                                      |
|--------------------------------------------------|------------|------------------------------------------------------------------------------------------------------|
|                                                  | <b>1.2</b> | Select and check equipment required to meet safety requirements of task and worksite                 |
|                                                  | <b>1.3</b> | Select, fit and use required safety equipment, including personal protective equipment (PPE)         |
| <b>2 Monitor and operate treatment processes</b> | <b>2.1</b> | Inspect plant according to workplace procedures                                                      |
|                                                  | <b>2.2</b> | Collect process samples and conduct standard tests according to workplace procedures                 |
|                                                  | <b>2.3</b> | Operate treatment processes according to workplace procedures                                        |
|                                                  | <b>2.4</b> | Perform adjustments to enhance system performance                                                    |
| <b>3 Complete documentation</b>                  | <b>3.1</b> | Collect, record and complete process data according to workplace procedures                          |
|                                                  | <b>3.2</b> | Identify and report observations outside defined parameters to relevant personnel for further action |

## 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 Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to NWPTRT001 Operate and control water treatment processes.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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