



Australian Government

NWPTRT023 Monitor and operate ultraviolet processes

Release: 1

NWPTRT023 Monitor and operate ultraviolet 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 ultraviolet (UV) processes.

It includes preparing and maintaining UV irradiation disinfection processes and reporting on microbiological quality control.

This unit applies to operational staff with specific responsibility for ensuring UV irradiation disinfection systems comply with workplace requirements. Those undertaking this unit would work under appropriate supervision while performing routine tasks in a range of familiar contexts.

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

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| | 1.2 | Select and check equipment required to meet safety requirements of task and worksite |
| | 1.3 | Select, fit and use required safety equipment including, personal protective equipment (PPE) |
| 2 Monitor processes | 2.1 | Monitor UV irradiation disinfection processes according to workplace procedures |
| | 2.2 | Collect process samples and conduct standard tests according to workplace procedures |
| | 2.3 | Make process adjustments to maintain effectiveness of UV irradiation disinfection processes |
| | 2.4 | Monitor the parameter set points for critical control points and operational control points |
| 3 Maintain and operate UV irradiation disinfection system | 3.1 | Perform routine inspections of system components |
| | 3.2 | Clean and replace system components according to workplace procedures |
| | 3.3 | Operate UV lamp sequencing according to manufacturer instructions |
| 4 Complete documentation | 4.1 | Maintain information relating to UV processes |
| | 4.2 | Collect, record and complete process data according to workplace procedures and process requirements |
| | 4.3 | Identify data outside of normal operational parameters and report 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 NWPTRT053 Operate and control UV 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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