



Australian Government

NWPTRT094 Operate and control incineration processes

Release: 1

NWPTRT094 Operate and control incineration processes

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP349B Monitor, operate and control incineration processes. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes • One new PC added to Element 1

Application

This unit of competency describes the outcomes required to monitor, operate and control incineration plant and to measure and report on system performance and process quality control. The ability to identify faults and determine and apply technical adjustments is essential to performance.

This unit supports the attainment of skills and knowledge required for operational staff with a specific responsibility for incineration processes in water treatment plants.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to, particularly those relating to safety.

Those undertaking this unit would work under supervision, while performing routine tasks, within familiar contexts.

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

Competency Field

Treatment

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Monitor incineration plant performance	1.1 Monitor test results and combustion processes. 1.2 Identify and report process faults and the operational condition of plant. 1.3 Select and check equipment. 1.4 Fit and use personal protective equipment.
2. Operate and control processes	2.1 Carry out routine plant inspections. 2.2 Conduct and analyse process tests and compare performance to operational requirements. 2.3 Make system adjustments to improve system performance. 2.4 Collect, interpret and record process data and report.
3. Compile process records	3.1 Compile reports from plant and system data. 3.2 Report observations outside defined parameters for further action.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP349B Monitor, operate and control incineration 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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Assessment Requirements for NWPTRT094 Operate and control incineration processes

Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- solving operational problems
- completing reports and logs
- identifying control system faults
- sampling and testing products
- conducting routine plant inspections
- performing routine calculations when sampling and conducting basic tests
- preparing and applying incineration processes
- making basic system adjustments
- completing required documentation

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- coordination processes
- system layout
- system processes
- lockout procedures for mechanical and electrical installations
- relevant utilities and service bodies
- hazardous materials handling
- environmental aspects of wastewater treatment

- equipment operation, capacity and limitations
- effects of weather and conditions on operation of site or plant
- pipes and fittings
- mechanical and electrical control systems

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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