



Australian Government

NWPIRR035 Coordinate and monitor the operation of drainage systems

Release: 1

NWPIRR035 Coordinate and monitor the operation of drainage systems

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 NWP427B Coordinate and monitor the operation of drainage systems. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.2, 1.3 and 1.4 merged

Application

This unit describes the skills required to coordinate and monitor drainage systems to ensure compliance with the drainage systems management plan, including system performance, maintenance planning and customer liaison.

This unit applies to those working as field or operational staff with a specific responsibility for ensuring that the operation of drainage systems complies with organisational and statutory requirements.

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 related to WHS.

Those undertaking this unit would work independently or in a team, while performing complex tasks ensuring minimum damage to the environment, in a familiar context. However, the level of responsibility may vary according to the size, scope, location, and technical complexity of process.

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

Competency Field

Irrigation

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. Confirm performance measures in the drainage system management plan	1.1 Confirm data gathering requirements specified in the drainage system management plan. 1.2 Identify, analyse and address issues, environmental factors and stakeholder requirements that impact on drainage systems. 1.3 Access historic system information and apply as required.
2. Monitor and coordinate processes and resource targets	2.1 Select, fit and use equipment, including personal protective equipment. 2.2 Conduct system performance monitoring and testing according to the drainage management plan. 2.3 Analyse and report test results. 2.4 Identify current and potential problems, conduct investigations and report results and recommendations. 2.5 Identify breaches of the drainage management plan, conduct investigations and report results and recommendations. 2.6 Evaluate maintenance budgets, activity programs and output target measures and identify, analyse and address any deviations from targets. 2.7 Identify and record links between operational problems and maintenance activities.
3. Report outcomes of coordination and monitoring	3.1 Analyse, record and report coordination and monitoring data. 3.2 Identify and report current and potential problems. 3.3 Make recommendations to improve system performance and/or customer service standards.

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 NA					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 NWP427B Coordinate and monitor the operation of drainage systems.

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 NWPIRR035 Coordinate and monitor the operation of drainage systems

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.

- conducting investigations
- assessing environmental impact
- use safety equipment and personal protective equipment
- interpreting plans, topographic drawings, charts, service diagrams, service search diagrams and instructions
- interpreting the drainage system management plan and confirming data to be gathered
- identifying, analysing and addressing issues that impact on drainage systems, including stakeholder requirements and environmental factors
- accessing historic system information
- conducting system performance monitoring and testing
- analysing and reporting test results
- investigating system faults and breaches of the drainage management plan and reporting results and recommendations
- monitoring budgets, programs and targets, evaluating data and investigating and reporting on deviations from the drainage system management plan
- submitting recommendations to improve system performance and/or customer service standards

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.

- relevant legislation, policies and procedures
- enterprise financial systems and key performance indicators
- inspection of drainage systems
- coordination processes
- system layout and processes
- environmental aspects of drainage systems
- risk factors and potential hazards involved in drainage systems
- equipment operation, capacity and limitations
- effects of weather and conditions on operation of drainage systems
- pipes and fittings
- pumping and valving systems
- gravity and 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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