



Australian Government

NWPIRR001 Monitor and operate irrigation and domestic delivery systems

Release: 1

NWPIRR001 Monitor and operate irrigation and domestic delivery 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 NWP213B Monitor and operate irrigation, stock and domestic delivery systems. • 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 3

Application

This unit describes the skills required to operate and check irrigation, stock and domestic supply systems to ensure the delivery of water.

This unit applies to those working as field and operational staff with responsibility for delivering raw water supplies to meet customer orders.

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 and flow measurement.

Those undertaking this unit would work independently or in a team, under direct supervision using own familiar resources as required, while performing routine tasks in range of familiar contexts.

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. Interpret delivery requirements	1.1 Schedule deliveries according to customer orders and delivery plan. 1.2 Monitor system flow rates or sources to ensure orders can be met.
2. Operate irrigation or stock and domestic supply systems	2.1 Identify and apply organisational requirements, plans, orders and schedules for the operation of irrigation or stock and domestic supply system. 2.2 Operate irrigation or stock and domestic supply system, using safe work methods and appropriate equipment. 2.3 Monitor deliveries, record adjustments and irregularities, and communicate as required.
3. Identify and address issues	3.1 Identify actual and potential problems that may reduce service standards and communicate to relevant personnel. 3.2 Resolve identified problems within own capability. 3.3 Record and report workplace activities.

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 NWP213B Monitor and operate irrigation, stock and domestic delivery 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 NWPIRR001 Monitor and operate irrigation and domestic delivery 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.

- identifying and responding to operational problems
- interpreting data
- producing basic reports and logs
- operating communications equipment
- following plans, charts and instructions
- communicating with customers and other employees
- performing work related calculations
- operating irrigation or stock and domestic supply system
- checking channel flow and water deliveries
- identifying control system faults
- interpreting irrigation or drainage requirements
- operating, adjusting and monitoring irrigation or drainage system
- ensuring that water is delivered to schedule
- identifying and reporting problems and irregularities
- completing relevant records and reports

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.

- impact of the principles of hydraulics on the operation of flows

- layout of drainage or irrigation system
- lock-out procedures for mechanical and electrical installations
- relevant utilities and service bodies
- communication systems
- service requirements specified in customers' contracts
- risk factors and potential hazards involved with water system
- equipment operation, capacity and limitations
- effects of weather and conditions on operation of system, site and plant
- flow measurement procedures
- 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.

Links

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