



Australian Government

NWPSOU013 Monitor and coordinate catchment operations

Release: 1

NWPSOU013 Monitor and coordinate catchment operations

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 NWP323B Monitor and coordinate catchment operations. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required to inspect and monitor catchment areas, monitor flows and coordinate catchment processes. The ability to collect data and samples, monitor and adjust regulatory systems, identify and investigate catchment problems and produce technical reports is essential to performance.

This unit applies to those working as field staff with a specific responsibility for monitoring and coordinating catchment operations.

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 under indirect supervision while performing routine tasks ensuring minimum damage to the environment, in a familiar context. The level of responsibility may vary according to the size and complexity of the catchment area.

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

Competency Field

Source

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. Inspect and monitor catchment operations	1.1 Schedule routine inspections of catchment areas to identify water quality risks. 1.2 Collect, analyse and report catchment data. 1.3 Collect and record water samples. 1.4 Monitor and report on activities within the catchment area. 1.5 Select, fit and use required safety equipment, including personal protective equipment.
2. Monitor inflows and outflows	2.1 Inspect flow regulating systems and determine required adjustments to meet demand. 2.2 Identify and report flows into, and conditions of, catchment areas.
3. Operate and coordinate catchment processes	3.1 Identify, address and, if appropriate, report problems within catchment areas. 3.2 Monitor and coordinate processes to maintain the parameters of operation. 3.3 Integrate processes to improve source performance.
4. Complete documentation	4.1 Review and action investigation results. 4.2 Compile reports from catchment inspections.

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 NWP323B Monitor and coordinate catchment operations.

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 NWPSOU013 Monitor and coordinate catchment operations

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.

- using safety equipment and personal protective equipment
- using pest eradication equipment
- calculating flow and capacity
- coordinating safety surveillance
- identifying control system faults
- inspecting and monitoring catchment areas
- monitoring flows
- coordinating catchment processes
- inspecting catchment areas and identifying water quality risks
- monitoring catchment and collecting and reporting catchment data
- collecting samples
- inspecting and adjusting flow regulating systems
- identifying and reporting on flows into the catchment area
- assessing and reporting on the condition of the catchment area
- identifying and addressing risks and hazards
- monitoring and integrating catchments processes
- completing documentation
- implementing actions resulting from investigations

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.

- inspection of catchments
- coordination processes
- system layout and processes
- environmental aspects of catchment areas
- policies and standard operating procedures
- a general understanding of water and wastewater treatment and the effect of floods on these systems
- Australian Drinking Water Guidelines (ADWG)
- hazardous substances handling
- communication systems
- risk factors and potential hazards involved with catchment area processes, equipment operation, capacity and limitations
- effects of weather and conditions on operation of catchment areas
- pumping and valving systems
- control systems
- pest control specifications

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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