



Australian Government

RIICAM406 Conduct a condition assessment of water and sewerage mains

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created unit.

Application

This unit describes the skills and knowledge required to plan, conduct and document water supply and sewerage (WS&S) condition assessments. This includes an understanding of WS&S functions and features.

It applies to those working in a supervisory or paraplanning role. They generally perform a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

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

Unit Sector

Civil Infrastructure Asset Management

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine the level of service required for the water supply and sewerage (WS&S) assets condition assessment	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Identify and comply with duty of care requirements according to legislation, standards, regulations, codes, guidelines and manuals 1.3 Evaluate community expectations of WS&S asset condition 1.4 Determine the organisational budget and

	<p>resources available to manage the WS&S asset</p> <p>1.5 Identify key risk management strategies for WS&S asset</p>
2. Plan for WS&S data collection	<p>2.1 Identify key functions and features of WS&S assets</p> <p>2.2 Plan and document types of WS&S data intended for collection according to organisational need</p> <p>2.3 Develop WS&S data collection plan according to organisational policies and procedures</p> <p>2.4 Communicate data collection activities to required personnel</p> <p>2.5 Prepare and complete pre-inspection processes</p>
3. Assess WS&S and gather data points	<p>3.1 Assess the WS&S features to determine the different grades of asset component condition</p> <p>3.2 Determine asset condition rating and risk score according to task requirements</p> <p>3.3 Gather water and sewerage main data points according to organisational and task requirements</p> <p>3.4 Report immediate service deficiencies and identified faults to required personnel</p> <p>3.5 Identify and document potential risks, hazards and environmental issues according to organisational policies and procedures</p>
4. Finalise reporting activities and undertake data validation	<p>4.1 Document condition assessment findings according to organisational policies and procedures</p> <p>4.2 Determine completeness of data collection according to task requirements</p> <p>4.3 Validate data according to organisational and task requirements</p> <p>4.4 Organise data collected in a retrievable format according to organisational policies and procedures</p> <p>4.5 Securely store data collected according to organisational procedures, legislative requirements, and industry practices</p> <p>4.6 Submit report to required personnel on data collection activities and results according to task requirements</p>

	4.7 Seek and respond to feedback
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Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Numeracy	<ul style="list-style-type: none"> Calculates resourcing and budget requirements and performs mathematical calculations
Oral communication	<ul style="list-style-type: none"> Conveys information and requirements clearly and listens actively
Planning and organising	<ul style="list-style-type: none"> Plans, organises and completes work according to defined requirements and schedules Prioritises tasks and own workload for required outcomes
Technology	<ul style="list-style-type: none"> Uses required technological tools and software in collecting and documenting data
Writing	<ul style="list-style-type: none"> Prepares information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

New unit.

Links

Companion Volume Implementation Guide is found on VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>