



Australian Government

Assessment Requirements for RIICPL303D Install sewer pipelines

Release: 1

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Modification History

Not applicable.

Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of installation of sewer pipelines including:
 - applying problem solving and troubleshooting techniques
 - applying diagnostic techniques
- works effectively with others to undertake and complete the installation of sewer pipelines that meets all of the required outcomes including:
 - communicating clearly and concisely with others to confirm work/plans/specifications
 - using a range of communications techniques and equipment to convey information to others
- demonstrates consistent timely completion of installation of sewer pipelines that safely, effectively and efficiently meet all of the required outcomes on a minimum of three (3) separate occasions including:
 - determining location, alignment direction, level and grade of sewer pipeline
 - installing sewer pipeline bedding
 - installing a minimum of 100 metres of sewer pipe
 - constructing manholes, inspection and valve chambers, minor structures and thrust blocks
 - completing pipe joins
 - performing test procedures, establishing functionality and serviceability
 - maintaining written and verbal reporting requirements and procedures
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Knowledge Evidence

The candidate must demonstrate knowledge in installing sewer pipelines through:

- accessing, interpreting and applying the legislative, organisation and site requirements and procedures for;
 - hazard identification, risk assessment and response
 - using JSA/JSEA/safe work method statements
 - project quality measures
 - using tools/equipment
 - maintaining excavation/trench safety
 - confined space entry
 - site dewatering
- using safety data sheets and materials handling methods
- using civil construction terminology
- using sewer pipe systems and installation procedures
- identifying mains pipe and utility services

- using concrete and concrete fabrication
- using sedimentation and erosion controls
- reading and interpreting engineering drawings
- identifying equipment types, characteristics, technical capabilities and limitations
- identifying valves and flow control devices
- construction of water reticulation
- calculating pipeline grades and percentages
- identifying site isolation and traffic control responsibilities and authorities
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Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
- where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>