



Australian Government

RIIPRO601D Design processing plant

Release: 2

RIIPRO601D Design processing plant

Modification History

Release	Comment
1	This unit replaces RIIPRO601A Design processing plant.
2	Performance Criteria numbering amended. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit develops a participant's skills and knowledge required to design processing plant in Extractive.

This unit is appropriate for those working in management or technical specialist roles

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

Unit Sector

Extractive

Elements and Performance Criteria

1. Determine processing plant design parameters	1.1 Access, interpret and apply processing plant documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Identify, interpret and clarify relevant site geological, hydrological, and survey data and use it for design parameters 1.5 Identify, interpret and clarify relevant site marketing information and use it for design parameters.
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2. Prepare processing plant design	2.1 Involve internal and external stakeholders in the planning process and gain their support for the required outcomes 2.2 Prepare the flowchart/schematic of the plant 2.3 Identify and analyse options and select the primary items of plant and equipment 2.4 Arrange and supervise the drafting of the general arrangement of the processing plant 2.5 Arrange and supervise the drafting of the preliminary design of the processing plant 2.6 Arrange and supervise the design of the process control system for the processing plant 2.7 Determine and document resource implications of the implementation of the design 2.8 Prepare and present the processing plant business plan/budget, including contingency plans, in accordance with the organisation's requirements 2.9 Arrange and supervise the drafting of the detailed design of the processing plant 2.10 Identify and document the specifications for required plant and equipment
3. Issue and provide support in the implementation of the design	3.1 Issue and explain the processing plant design to team members and others involved, and facilitate the safe, effective and efficient implementation of the processing plant design 3.2 Provide timely ongoing support and advice to those implementing the processing plant design 3.3 Ensure records and reports are maintained and issued 3.4 Monitor the processing plant design performance against the processing plant design parameters, development plan and operational budgets 3.5 Resolve anomalies in consultation with relevant stakeholders 3.6 Issue instructions for adjustments to the design and/or its implementation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIPRO601A Design processing plant

Links

Companion Volume implementation guides are found in VETNet -

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