



Australian Government

RIIPGP302D Monitor and operate auxiliary plant and equipment

Release: 2

RIIPGP302D Monitor and operate auxiliary plant and equipment

Modification History

Release	Comment
1	This unit replaces RIIPGP302A Operate raw material feed systems
2	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 describes a participant's skills and knowledge required to monitor and operate auxiliary plant and equipment in Metalliferous Mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for auxiliary plant and equipment monitoring and operation	1.1 Access, interpret and apply, monitoring and operation of auxiliary plant and equipment, documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Select and wear personal protective equipment appropriate for the activity 1.4 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.5 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.6 Establish and maintain communication with other personnel using approved communication methods
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	1.7. Carry out equipment pre-start checks 1.8. Use dust suppression and extraction methods
2. Carry out plant and equipment inspections and checks	2.1. Check correct plant operation prior to start-up 2.2. Check condition of plant and equipment for fault, identify damaged and inoperable equipment and report to relevant personnel 2.3. Complete all required written documentation for shift hand-over. 2.4. Physically, continuously inspect plant, take equipment indicator readings and identify and rectify defects and potential problems 2.5. Communicate all shift information verbally or in writing to oncoming shift
3. Operate and monitor plant and equipment	3.1. Carry out plant and equipment start-up checks and procedures 3.2. Monitor operating plant and equipment for correct, efficient performance 3.3. Changeover auxiliary/ancillary plant to meet operational and maintenance requirements 3.4. Interpret and respond to plant alarms, take remedial actions and notify appropriate personnel 3.5. Identify basic faults and adjustments and make repairs to running/operating plant where necessary to maintain plant performance 3.6. Complete all written required documentation clearly, concisely and on time
4. Maintain plant and equipment efficiency	4.1. Carry out plant and equipment maintenance 4.2. Check and adjust plant condition to maintain efficient operation 4.3. Clear pipeline and pumping system blockages 4.4. Maintain materials storage vessel levels to meet plant operating demands 4.5. Clean plant to maintain condition of all equipment and work area hygiene 4.6. Identify and report hazards 4.7. Take and test samples
5. Shutdown and/or isolate plant and equipment	5.1. Carry out plant and equipment shutdown procedures 5.2. Isolate plant and equipment for maintenance and plant configuration purposes

	5.3. Perform post shutdown or isolation checks 5.4. Provide support for maintenance personnel and activities 5.5. Communicate shift change-over details to oncoming shift
6. Conduct housekeeping activities	6.1. Clear work area and dispose of or recycle materials 6.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 6.3. Manage and/or report hazards, and maintain a safe working environment 6.4. Process records

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

RIIPGP302 Monitor and operate auxiliary plant and equipment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIPGP302D Monitor and operate auxiliary plant and equipment

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2	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.

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 requirements, procedures and techniques for the safe, effective monitoring and operation of auxiliary plant and equipment operations including:
 - changing over auxiliary/ancillary plant to meet operational and maintenance requirements
 - identifying basic faults and adjustments and make repairs to running/operating plant
 - carrying out plant and equipment **maintenance**
 - selecting and using relevant tools and equipment
 - identify and handle hazardous goods
 - maintaining, cleaning and operating equipment
 - identifying potential risks and hazards
 - lifting loads (manual handling, cranes and loads)
- works with others to undertake and complete the monitoring and operation of auxiliary plant and equipment that meets all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements and procedures
 - communicating to confirm work requirements

- demonstrates completion of the monitoring and operation of auxiliary plant and equipment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - operating and monitoring equipment including:
 - starting up auxiliary plant,
 - monitoring plant and equipment for correct and efficient performance,
 - take **equipment indicator readings** and identify and rectify defects and potential problems
 - interpret and respond to plant alarms
 - clearing pipeline and pumping system blockages
 - maintaining materials storage vessel levels to meet plant operating demands
 - performing post shutdown or isolation checks

Knowledge Evidence

The candidate must demonstrate knowledge of auxiliary plant and equipment monitoring and operating through:

- applying legislative, organisation and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - work health and safety
- operating auxiliary equipment
- applying safe work practices
- maintaining plant configuration and function
- complying with auxiliary equipment configuration and function
- complying with breakdown and emergency procedures
- using troubleshooting techniques
- complying with sampling and testing purpose and procedures
- identifying plant and equipment limitations and operating parameters
- complying with plant and equipment safety requirements
- applying isolation procedures
- applying metallurgical processes and effects on product
- applying operational, site procedures and checks
- applying environmental requirements and procedures
- being prepared for fire/accident/emergency

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 in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

****Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level**

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