



Australian Government

RIISTD202D Collect routine site samples

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIISTD202A Collect routine site samples
2	Content reviewed and Performance Criteria requirements made more explicit.
3	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 collect routine site samples in the Resources and Infrastructure Industries.

This unit is appropriate for those working in production operator, field assistant and laboratory assistant roles.

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

Elements and Performance Criteria

1. Plan and prepare for sampling	1.1 Access, interpret and apply collection of routine site sample documentation and ensure the work activity is compliant 1.2 Read, clarify and confirm the purpose, priority and scope of the sample request or plan 1.3 Liaise with relevant personnel to coordinate and arrange site access and all necessary clearances/permits 1.4 Identify, address and report potential hazards and risks and environmental issues 1.5 Select and wear personal protective equipment appropriate to the task 1.6 Confirm quantity, location, frequency or time of sampling and types of samples to be collected 1.7 Select, assemble and inspect sampling tools and equipment, and document faults
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2. Conduct sample collection	2.1 Collect samples as specified in sample request or plan, ensuring minimising environmental impacts and generation of waste 2.2 Preserve sample integrity throughout collection 2.3 Place samples in suitable containers and label accurately 2.4 Documents representative sampling, identifying and recording characteristics of sampling environment, particularly any non-standard aspects 2.5 Store and transport samples 2.6 Maintain sampling equipment in a clean and safe working condition
3. Prepare samples	3.1 Verify sample, check documentation and required equipment for preparation 3.2 Perform sample preparation 3.3 Contain loss of material and protect sample against contamination 3.4 Recover and clean samples using techniques and equipment specified for the particular sample 3.5 Correctly store or dispose of residues and samples
4. Prepare samples for dispatch	4.1 Clearly label, store and transport samples to maintain integrity of sample 4.2 Use appropriate reference materials, standards and controls 4.3 Document any change to preparation methods 4.4 Forward samples for analysis to external laboratories 4.5 Store, test and correctly dispose of samples

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

RIISTD202A Collect routine site samples

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 RIISTD202D Collect routine site samples

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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 relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of collecting routines site samples including:
 - solving problems associated with collecting routine site samples
 - applying techniques to recover and clean samples
- works effectively with others to undertake and complete collecting routine site samples that meet all of the required outcomes including:
 - liaising with others to establish permits and coordinate access to sampling area
 - using a range of communications techniques and equipment to clearly and concisely convey information to others
 - maintaining written and verbal reporting requirements and procedures
- demonstrates completion of collecting routine site samples that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - interpreting the sample plan to identify the type of sample requested and the location, quantity and frequency of sampling
 - selecting, inspecting and using appropriate sampling tools and equipment
 - collecting, storing and transporting samples and ensuring:
 - minimising environmental impacts
 - maintaining the integrity of samples

- protecting against contamination
- disposing of waste

Knowledge Evidence

The candidate must demonstrate knowledge of collecting routine site samples through:

- using types of communication systems and equipment
- interpreting and using key terminology and concepts, such as: sample, contamination, traceability, integrity, chain of custody
- identifying the purpose for which the samples are being collected
- identifying the function of key sampling equipment/materials and principles of operation
- identifying hazards and risks associated with routine sampling

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 is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; 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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