Draft 0.1

This is our work-in-progress update to CPCCBC5014A Conduct asbestos assessment associated with removal: https://training.gov.au/Training/Details/CPCCBC5014A.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Re-templated to meet Standards for Training Packages 2012.

Sequenced Elements and Performance Criteria.

Specified what and how performance is demonstrated in Performance Evidence.

Captured critical Range Statement items and included industry relevant knowledge in Knowledge Evidence.

Stated mandatory conditions and specific requirements for assessment.

CPCCBC5014
Conduct asbestos assessment associated with removal

Application

This unit of competency specifies the outcomes required to visually inspect and use a range of measuring devices to undertake the monitoring of airborne asbestos fibres in the workplace as an integral part of identifying hazards, assessing risks, monitoring the effectiveness of controls, and ensuring that the workplace is free of asbestos fibres prior to reoccupation.

The unit includes the planning of the monitoring process, the selection and use of processes and air-monitoring equipment, the conduct of the assessment process, and the proper handling and interpretation of results.

Asbestos assessment and air monitoring are required during all friable (Class A) asbestos removal and for non-friable asbestos removal where a risk assessment indicates that airborne asbestos fibres may result from the removal activity.

Site location for work may be either domestic or commercial, and may be a demolition site, a new work site or an existing structure being renovated, extended, restored or maintained. Project sites may be construction sites and may also include ships, soils and fences.

Occupational licenses are required nationally. Work must be completed according to relevant legislative, code of practice, industry, customer and organisational requirements, including work health and safety (WHS) policies and procedures. Testing must conform to National Association of Testing Authorities (NATA) or other accredited laboratory requirements and standards. Regulatory mechanisms apply to this unit. Candidates are advised to check for regulatory requirements.

Prerequisite Unit

CPCOHS1001A Work safely in the construction industry.

Unit Sector

Construction.

Elements and Performance Criteria

1. Plan for assessment of asbestos removal.	1.1	Negotiate scope, timelines and budget for the project with the client and asbestos removalist or supervisor.
	1.2	Identify type of asbestos containing material (ACM), its location, friability and condition by reference to the asbestos register and consultation with workplace personnel and client.
	1.3	Research and confirm legislation, regulations, code of practice and standards to inform the planning process, risk identification and to ensure a compliant and independent assessment process.

	1.4	Undertake required reports in a timely manner and according to the requirements of the specific audience and the legislation, regulations, code of practice and standards.
	1.5	Research and confirm characteristics of and health impacts from exposure to ACM and the rationale for air-monitoring processes.
	1.6	Identify accreditation framework and roles and responsibilities of personnel involved.
	1.7	Identify processes used in the compliant removal of friable and non-friable asbestos using enclosures and leak testing, decontamination units, airline respirators and negative pressure equipment.
	1.8	Collect, review and use work-site documentation to inform the planning process.
	1.9	Define areas within the work site where measurements are to be taken.
	1.10	Select measuring equipment specific to the hazard and condition of the ACM, the environment, the activities being carried out and level of risk.
	1.11	Recognise limits of own expertise and available equipment and seek expert advice and equipment as appropriate.
	1.12	Identify and source equipment including personal protective equipment (PPE), required to carry out the job.
	1.13	Document and confirm planning with the client, asbestos removalist and supervisor.
2. Collect site measurements and other data.	2.1	Arrange with and advise workers on-site of the requirement to collect information and data to facilitate the measurement and monitoring process.
	2.2	Conduct site visit and complete a visual inspection according to legislation, regulations, code of practice and standards.
	2.3	Identify and record effective air monitor locations for each asbestos removal task.
	2.4	Sampling process is conducted in consultation with relevant site personnel and as stated in the standards specified for membrane filter method for estimating airborne asbestos fibres.
	2.5	Define sampling schedule and strategy after site inspection and in consultation with asbestos removalist and work site manager or supervisor.
	2.6	Develop and provide air-monitoring program consisting of locations and schedule to asbestos removalist and supervisor.
	2.7	Check operability of monitoring equipment according to manufacturer specifications, organisational procedures and professional standards.
3. Use measuring devices to collect site information and data.	3.1	Select air-monitoring equipment, check calibration records, calibrate equipment and determine appropriate flow rate according to accredited laboratory requirements and professional standards.
	3.2	Use and maintain equipment correctly to accurately collect data.
	3.3	Follow workplace safety procedures during the collection process.
	3.4	Collect required volumes of samples with minimum damage and disruption to the fabric, according to the membrane filter method, label and replace the filter holders according to the sampling schedule and plan.
	3.5	Collect information and data and record results noting where samples were taken and ensuring compliance with chain of custody protocols.

	3.6	Put in place processes and make checks to ensure all data is collected under the control of a NATA or other accredited laboratory and according to industry standards and legislative requirements.
	3.7	Dismantle, decontaminate and dispose of parts or equipment according to regulations, code of practice and workplace procedures.
	3.8	Store equipment correctly or make ready for re-use.
	3.9	Service and maintain sampling equipment according to professional standards and manufacturer specifications.
4. Complete the monitoring process.	4.1	Label and prepare filter for despatch to the laboratory, ensuring correct handling procedures for filters and chain of custody requirements.
	4.2	Seek confirmation of the exact nature of fibres where necessary.
	4.3	Retain and store samples in labelled containers.
	4.4	Oversee site set-up, removal, breakdown and decontamination procedures according to legislative and code of practice requirements.
	4.5	Implement documentation and processes to ensure the compliant transportation of samples.
5. Document results.	5.1	Interpret and evaluate results received from the NATA or other accredited laboratory against the recognised standard.
	5.2	Perform further calculations as required on the technical data received from the NATA or other accredited laboratory.
	5.3	Document outcomes from the technical analysis.
	5.4	Prepare concise, logical and accurate report that addresses regulatory requirements and is in the form required by audience.
	5.5	Visually inspect work site to ensure compliance with procedures prior to issuing a clearance certificate.
	5.6	Complete clearance certificate according to legislative, regulatory and code of practice requirements.
	5.7	Make recommendations regarding exposure and control monitoring processes.
	5.8	Retain and store results and records in a readily retrievable format according to regulatory requirements and standards.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- technology skills to:
  - use mobile and communication tools and devices to communicate and collaborate effectively with others
  - use equipment and programs to access, extract information and develop relevant documentation

Unit Mapping Information

Supersedes and equivalent to CPCCBC5014A Conduct asbestos assessment associated with removal.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC5014 Conduct asbestos assessment associated with removal

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by conducting two asbestos assessments. One relating to the demolition of a low rise construction and one removal of asbestos containing materials (ACM) from an existing building.

In doing this, the candidate must:

- apply scientific and technical principles that underpin the ACM removal assessment process
- collect and handle samples in a manner that ensures the integrity of the sample complies with the protocols for the chain of custody
- collect and compile measurements, information and data related to the removal process and produce a report
- conduct site inspections, prepare advice to clients and provide clearance certification relating to removal of ACM that complies with the requirements of relevant legislation, regulations, codes of practice and standards

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- range of materials manufactured using asbestos, the type and characteristics of asbestos used in each material, and the usual applications associated with the material:
    - friable and non-friable asbestos
    - acoustic plaster soundproofing, asbestos cement sheets and compressed asbestos cement panels
    - adhesives, glues, asbestos cement, sealant mastic and mortar
    - asbestos cement moulded guttering
    - asbestos tiles and floor vinyl covering
    - bitumastic felts and materials and gaskets
    - pipe lagging, thermal insulation and tape
    - woven textiles, ropes, tapes and braids
    - decorative coatings
    - resinous backing board
    - sprayed on fireproofing, soundproofing and thermal insulation
- legislation, regulations, codes of practise and standards:
    - asbestos work health and safety (WHS) legislation including those relating to asbestos fibre hazards
    - exposure standards for atmospheric contaminants in occupational environments
    - guidance material, such as guidance notes, guides, fact sheets, model regulations and technical reports that provide practical guidance and direction for hazard control
    - national Safe Work Australia codes

    - biological exposure indices
    - current edition of NOHSC Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres
    - preparation of an asbestos removal control plan (ARCP), and issuance of air-monitoring clearance certificates and related documentation
- project plans, specifications, quality documentation and manufacturer's instructions
- environmental requirements and sustainability principles
- characteristics and health impacts of exposure to ACM:
    - health effects caused by exposure to ACM and requirement for safe handling and removal
    - health impacts on the community range of diseases
    - how it is absorbed into the body
    - how it affects specific parts of the body, such as extent of damage to tissue
    - dose factors relating to concentration and time
- application, methodologies and techniques of compliant removal of asbestos:
    - installation, use and disassembly of decontamination units
    - leak test enclosures
    - use of large and small-scale enclosures for different sites
    - use of negative pressure exhaust units
    - encapsulation methods
- determining factors in area in which measurements are to be taken:
    - area or space available
    - location of removal work area or work site
    - movements of people and equipment
    - number of persons occupying area
    - physical features of equipment, such as emitting sources
    - tasks or activities being undertaken
    - type, quantity and location of asbestos in buildings and other sites
    - waste disposal pathways
- scientific techniques for measuring, testing, evaluating air-monitoring results and reports:
    - principles of fibre counting
    - analysis of bulk samples
    - air-monitoring procedures, testing and locations
    - circumstances that may change the nature of ACM from non-friable to friable
- requirements for professional indemnity and other insurances required by legislation and to mitigate business risk
- general construction terminology
- risk assessment and contingency planning relating to asbestos removal
- operational and functional features of plant, equipment and tools

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- government building legislation codes and standards
- codes of practice and standards for asbestos management, removal and measuring
- environmental requirements and sustainability principles
- manufacturer's specification and installation instructions
- organisational policies and procedures
- project plans and specifications
- sufficient equipment and materials and testing instruments to conduct asbestos assessment associated with removal.

Links

Companion Volume Implementation Guide: to be added.