



Australian Government

Assessment Requirements for TLIX0025 Maintain fuel storage and dispensing systems

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- planning and coordinating work on a site that has variable hazardous areas
- managing work involving multiple specialist contractors
- identifying and protecting any existing site services
- communicating with relevant person/s to obtain and confirm work requirements
- reviewing and applying safe work method statements (SWMS) for all work
- requirements for diesel exhaust, fluid storage and dispensing systems
- conducting tests to identify and diagnose faults in accordance with manufacturer guidelines, including:
 - groundwater monitoring points/wells
 - cathodic protection
 - inspecting tank pit monitoring points
 - dispensing equipment and sumps
 - drainage and effluent treatment systems
 - pipework system and tanks
 - automatic tank gauge (ATG)
 - leak detection system
 - continuity, earthing and equipotential bonding
- disconnecting and dismantling existing fuel systems in accordance with work plan and manufacturer instructions
- performing maintenance in accordance with manufacturer specifications and site procedures
- identifying, recording, rectifying and reporting problems or non-conformances
- conducting trials and tests of:
 - the fuel system, including dispenser meters
 - the fuel delivery system into the storage tanks
 - stage 1 and stage 2 vapour recovery systems, as required, for petrol fuel systems
- recommissioning fuel storage and dispensing system
- making and recording required adjustments

- coordinating work activities with others
- monitoring work and adapting as required
- completing workplace documentation and reporting.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- organisational communication protocols
- relevant permit types
- classification of hazardous zones
- hazardous area electrical work
- safety requirements and emergency procedures
- site-specific hazardous areas/zones and determining minimum distances
- requirements for:
 - working in different weather conditions
 - working in confined spaces
 - working at heights
 - traffic management
 - lock-out/tag-out procedures
 - isolations
 - site signage
 - atmosphere testing
 - spill management
 - 'in-date' inspection tags
 - dealing with local emergency services
 - tool and equipment checks
 - approved contractor certification/licensing
- regular maintenance activities
- job safety analysis (JSA), safe work procedures (SWP) and SWMS
- implications of changes to site conditions and work activity during fuel delivery on a site
- spill management
- different types of fuels and their associated hazards
- different materials and equipment required for the work and their associated hazards in a fuel storage and dispensing environment
- compliance requirements for main components of fuel storage and dispensing systems, including:
 - tank types
 - gauges
 - pumps

- fuel dispensers (to customers)
- pipes
- filters
- vapour recovery systems; stage 1 and stage 2, as applicable
- primary and secondary containment systems
- surface water management
- bunding
- product labelling
- safety signage
- safe techniques for concrete paving cutting, breaking and removal over fuel tanks/pipes and reinstatement to accommodate maximum axle load vehicles
- fuel testing and sampling techniques
- testing equipment manufacturers' requirements for its operation, maintenance and calibration
- spill management
- tank inspection techniques
- solid and liquid waste certificates
- Environment Protection Authority (EPA) reporting requirements
- certification of reporting to *AS 4897 The design, installation and operation of underground petroleum storage systems* for new and modified fuel systems
- certification of reporting to *AS 4976 The removal and disposal of underground petroleum storage tanks* for decommissioned fuel systems, destruction/disposal of tanks, and waste disposal certificates
- solid and liquid waste certificates
- underground petroleum storage systems (UPSS) 'as-constructed' documentation requirements
- certification of reporting to local EPA regulations
- jurisdictional EPA licenses for removal, transport and disposal of fill and/or potentially contaminated fill from site
- jurisdictional Service Station Licensing requirements.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures, sample work permits and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>