



Australian Government

Department of Education, Employment and Workplace Relations

TLIL4021A Coordinate the erection and dismantling of temporary storage facilities

Release: 1

TLIL4021A Coordinate the erection and dismantling of temporary storage facilities

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to coordinate the erection and dismantling of temporary storage facilities in accordance with workplace procedures, including planning for the erection of temporary storage facilities, erecting temporary storage facilities as planned, and dismantling the temporary storage facilities after outloading. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

Application of the Unit

Work must be carried out in accordance with regulations and workplace requirements relevant to the erection and dismantling of temporary grain storage facilities.

Work is performed under some supervision, generally within a team/group environment. It involves the application of regulatory requirements and workplace procedures when coordinating the erection and dismantling of temporary storage facilities as part of grain storage operations in the transport, warehousing, distribution and/or storage industries.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1 Plan for erection of temporary storage facility

- 1.1 Plans, storage specifications, assembly details and erection sequence are obtained and examined for accuracy to meet intended storage requirements
- 1.2 Engineering drawings, computations and instructions are obtained from qualified persons where required
- 1.3 Local and state authority approvals for the construction of the storage facility are obtained
- 1.4 Labour and equipment requirements for the construction of the storage facility are organised and scheduled in accordance with erection sequence

2 Erect temporary storage facility

- 2.1 Foundations and earth-works for temporary storage are prepared to workplace instructions and specification
- 2.2 Structural and storage components are assembled and placed to workplace instructions and specifications
- 2.3 Protective sheeting (floor and wall) is placed and sealed/sewn to workplace specifications
- 2.4 Material is placed into the temporary storage facility to specification and in accordance with site procedures
- 2.5 Grain protection measures are implemented in accordance with workplace requirements
- 2.6 Labour and equipment is coordinated for timely and efficient completion of work

3 Dismantle temporary storage facility after outloading

- 3.1 Procedures for the dismantling of temporary storage facility, including sequencing of process, are confirmed with qualified personnel
- 3.2 Labour and equipment requirements for the dismantling of the temporary storage facility is organised and scheduled
- 3.3 Material is removed from storage to workplace procedures
- 3.4 Protective sheeting (floor and wall) is dismantled and folded for future use or disposed of in accordance with workplace procedures
- 3.5 Structural components are disassembled, transported and stacked to workplace instructions
- 3.6 Labour and equipment is coordinated for timely and efficient completion of work

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

REQUIRED KNOWLEDGE AND SKILLS

Required knowledge:

- Regulations relevant to the erection and dismantling of temporary grain storage facilities
- Relevant OH&S and environmental protection procedures and guidelines
- Workplace procedures and policies for the coordination of the erection and dismantling of temporary grain storage facilities
- Problems that may occur when coordinating the erection and dismantling of temporary grain storage facilities and appropriate action that can be taken to resolve the problems
- Equipment applications, capacities, configurations, safety hazards and control mechanisms
- The range of construction methods used in the erection of temporary storage facilities
- Identifying characteristics of commodity types, varieties and grades
- Grain protection measures
- Emergency response procedures
- Storage and safe handling procedures
- Procedures for environmental control and disposal activities
- Site layout and obstacles

Required skills:

- Communicate effectively with others when coordinating the erection and dismantling of temporary grain storage facilities
- Read and interpret instructions, procedures, information and plans relevant to the erection and dismantling of temporary grain storage facilities
- Interpret and follow operational instructions and prioritise work
- Complete documentation related to work activities
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when coordinating the erection and dismantling of temporary grain storage facilities
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any problems, faults or malfunctions that may be identified when coordinating the erection and dismantling of temporary grain storage facilities in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unanticipated situations that may occur when coordinating the erection and dismantling of temporary grain storage facilities
- Apply precautions and required action to minimise, control or eliminate hazards that may exist during the erection and dismantling of temporary grain storage facilities
- Plan own work including predicting consequences and identifying improvements
- Monitor work activities in terms of planned schedule

Required skills:

- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Identify, select and efficiently and effectively use equipment needed when coordinating the erection and dismantling of temporary grain storage facilities
- Operate and adapt to differences in equipment in accordance with standard operating procedures
- Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:
 - the underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
 - access to an appropriate range of relevant operational situations in the workplace
- In both real and simulated environments, access is required to:
 - relevant and appropriate materials and equipment, and
 - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

EVIDENCE GUIDE

Method of assessment

- Assessment of this unit must be undertaken by a registered training organisation
- As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests
- Practical assessment must occur:
 - through activities in an appropriately simulated environment at the registered training organisation, and/or
 - in an appropriate range of situations in the workplace

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

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| Work may be conducted: | <ul style="list-style-type: none">• in a range of work environments• by day or night |
| Customers may be: | <ul style="list-style-type: none">• internal or external |
| Workplaces may comprise: | <ul style="list-style-type: none">• large, medium or small worksites |
| Workplace environment may include movement of: | <ul style="list-style-type: none">• equipment• goods• products• materials• vehicular traffic |
| Work involves: | <ul style="list-style-type: none">• individuals coordinating and organising the construction and dismantling of temporary storage facilities from working drawings and erection specifications |
| Types of temporary storage facilities may include: | <ul style="list-style-type: none">• concrete side wall sites• earth wall sites• two-way sites• timber and/or steel prefabricated wall sites• concrete floors• compacted earth or fill floors• sites segregated for different commodities |
| Consultative processes may involve: | <ul style="list-style-type: none">• workplace personnel• supervisors and managers• existing and potential customers/clients |

RANGE STATEMENT

- manufacturers of pesticides
- suppliers and contractors
- union representatives
- industrial relations and OH&S specialists
- maintenance, professional or technical staff

RANGE STATEMENT

Requirements for work may include:

- site restrictions and procedures
- licensing requirements
- use of safety and personal protective equipment
- communications/recording equipment
- authorities and permits
- emergency procedures

Hazards in the work area may include:

- chemicals and pesticides
- dangerous or hazardous substances
- stationary and moving equipment, parts and materials
- noise, light, energy sources
- electrical equipment
- humidity, air temperature, radiant heat
- debris on floor
- faulty equipment

Personal protective equipment may include:

- gloves
- safety headwear and footwear
- safety glasses
- two-way radios
- protective clothing
- respirators and fume/dust masks
- high visibility clothing

Communication in the work area may include:

- phone
- fax
- email/internet
- electronic data interchange (EDI)
- RF systems
- oral, aural or signed communications

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:

- company procedures
- workplace procedures
- organisational procedures
- established or standard procedures

Information/documents may include:

- operations manuals, job specifications and procedures
- induction documentation
- competency standards and training materials
- manufacturers specifications and instructions
- materials safety data sheets
- workplace operating procedures and policies
- supplier and/or client instructions
- Australian and international standards, criteria and certification requirements

RANGE STATEMENT

Applicable regulations and legislation may include:

- codes of practice including the National Standards for Manual Handling and the Industry Safety Code
- relevant regulations including the ADG Code
- award, workplace bargaining agreement, other industrial arrangements
- OH&S procedures
- quality assurance procedures
- emergency procedures
- relevant codes and regulations pertaining to grain storage
- legislation regarding the use of fumigants/poisons
- ADG Code and regulations pertaining to the storage and handling of dangerous and hazardous goods
- relevant state/territory OH&S legislation
- relevant state/territory environmental protection legislation
- relevant Australian and international standards and certification requirements
- workplace relations regulations including equal opportunity, equal employment opportunity and affirmative action legislation
- workers compensation regulations

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

L - Resource Management