

National Occupational Standards

Sector: Building and Construction

Occupation: Assistant Demolition Operative

MQF Level: 2



National Occupational Standards do not replace any licenses or permissions required to operate certain machinery or to work in certain positions.

Units:

- **DEM21.** Contribute to health and safety requirements in the workplace
- **DEM22.** Assist in removing and separating materials (demolition – clearing buildings and structures) in the workplace
- **DEM23.** Assist in operating handheld power tools and equipment in the workplace
- **DEM24.** Assist in demolishing and dismantling existing structures (by hand) in the workplace

DEM21 - Contribute to health and safety requirements in the workplace

This unit lists the knowledge and skills required by a person holding this position to contribute to carrying out safe work activities in compliance with health and safety activities.

Upon completion of this unit the persons carrying out this work will possess the necessary knowledge and skills to follow health and safety procedures which ensure that their actions do not create health and safety risks to self or to others.

Performance Criteria

The candidate must have the necessary knowledge and skills to:

1. Follow safe working practices in accordance with the workplace health and safety regulations
2. Identify potential hazards associated with own work practices and the workplace, and report them in accordance with organisational procedures
3. Follow correct procedures in the event of hazards or injury or ill health
4. Carry out work practices to comply with supplied information to contribute to a healthy, safe and secure working environment

Required Knowledge

The Level 2 Assistant Demolition Operative must know and state:

1. Their roles and responsibilities under the Health and Safety Act as amended by Act XXXII of 2007 or any subsequent current legislation
2. Their health concerns associated with the workplace and safe practices when carrying out work activities
3. The importance of co-operating with their employer on matters related to health and safety to safeguard their own wellbeing and that of others affected by their work activities
4. The organisational policies regarding legislation and guidance which need to be complied with
5. The potential hazards in the workplace such as; electricity and other utility services, contaminants, hazardous and non-hazardous substances, waste materials, working at height, work equipment, access equipment, obstructions, fire risks, manual handling, proximity, third party hazards, and changing weather conditions
6. The importance of being aware and alert to the presence of hazards on site and other work areas
7. The effect of any toxic or hazardous substances detected on site and what precautions need to be taken

8. The risks to health within a construction environment- substances hazardous to health, drugs and alcohol
9. The importance of correct storage of combustibles and chemicals on site
10. The arrangements to follow regulations regarding security on site and in the workplace e.g. storage of materials, components, tools, plant and equipment
11. The importance of working around mobile plant and equipment on site- keeping safe distances away from working machinery
12. The security arrangements and procedures that should be observed and followed when working on site
13. The procedures for dealing with accidents and emergencies associated with the workplace and environment
14. The importance of reporting accidents and near misses to superiors
15. Personal responsibility for behaviour of health, safety and welfare on site and the consideration of others

Required Skills

The Level 2 Assistant Demolition Operative must be able to follow instructions to:

1. Comply with their individual duties and legal obligations under the Health and Safety Act XXXV11 of 2007 or any subsequent current legislation
2. Work according to health and safety regulations and other relevant regulations that apply to the work requirements
3. Comply with safe working practices in accordance with organisational procedures
4. Recognise any hazards and hazardous materials associated with workplace activities and how changing circumstances could increase those hazards
5. Report any hazards and risks and changing circumstances to superiors in accordance with organisational procedures
6. Report near misses and accidents to superiors
7. Recognise emergency situations and report them in accordance with organisational requirements.
8. Identify and use the provided Personal Protective Equipment (PPE) and Respiratory Equipment (RPE) when necessary to carry out work duties
9. Comply with organisational procedures for safely working around mobile plant and

equipment

10. Assist in carrying out work activities to protect work areas from damage
11. Demonstrate good personal behaviour for workplace health safety and welfare

DEM22 - Assist in removing and separating materials (demolition – clearing buildings and structures) in the workplace

This unit lists the knowledge and skills needed by a person holding this position to carry out activities in dismantling, clearing, removing and separating components from buildings and structures in the workplace.

Upon completion of this unit, the person carrying out this work will possess the necessary knowledge and skills to assist in removing, sorting, salvaging and separating materials and components for disposal or recycling in accordance with demolition work requirements and procedures.

Performance Criteria

The candidate must have the necessary knowledge and skills to:

1. Identify given information relating to the requirements for dismantling, removing and separating materials and components
2. Carry out safe working practices
3. Follow instructions to select materials, and use appropriate tools and equipment to carry out the clearing of buildings and structures
4. Remove, separate, sort, prepare and store components
5. Conform to organisational instructions and procedures to carry out the work efficiently and to specification

Required Knowledge

The Level 2 Assistant Demolition Operative must know and state:

1. Their own responsibilities under current legislation and organisational requirements whilst working on site
2. Methods for dismantling, separating and storing of materials and equipment by manual handling methods
3. The purpose of health and safety equipment and the reasons for why and when it needs to be used, for collective protection measures, Personal Protective Equipment (PPE), Respiratory Protective Equipment (RPE)
4. The potential hazards and risks associated with dismantling, removing and separating existing components by hand -, hazardous and non- hazardous waste, materials
5. The organizational procedures for responding to emergencies
6. The different types of tools and equipment required to carry out the pre-demolition work requirements, hand tools, portable power tools, waste disposal/ re- cycling containers

7. Preparation required to storage area(s) ready to receive materials and components (trucks, racks, bins, compounds skips, containers)
8. How to use tools and equipment to carry out pre–demolition activities
9. The reasons for and how to protect the work area from damage, workplace activities, safety of other occupations, proximity, third party hazards and varying weather conditions
10. The reasons for the separation of materials and components, and disposing of waste safely in accordance with organisational procedures and environmental considerations
11. How to identify and separate components and materials that can be salvaged and re-used
12. Safe methods of removing existing materials and components
13. The importance of communicating with colleagues and other occupations during clearing and removal activities in buildings and structures
14. How the methods of work are applied to enable the work to be carried out safely
15. The procedures for dealing with problems which could affect the work programme

Required Skills

The Level 2 Assistant Demolition Operative must be able to:

1. Use Personal Protective Equipment (PPE), Respiratory Equipment (RPE), and Local Exhaust Ventilation (LEV) equipment for pre–demolition activities
2. Assist in protecting workplace and adjacent areas in accordance with organisational safe working practices and procedures
3. Assist in identifying and separating components and materials that can be salvaged and re-used
4. Use waste and recycling containers to dispose of and recycle waste
5. Work above and below ground level and work at height with materials, substances, tools and equipment
6. Assist in disconnecting, dismantling, removing, storing and separating materials and components by manual handling and using tools and equipment:
 - Timber and timber -based products
 - Bricks and blocks
 - Concrete
 - Glass and glass components
 - Fixtures and fittings
 - Sanitary ware and fittings
 - Metals

- Steel re-bar
 - Mechanical and electrical equipment
7. Use demolition tools and equipment such as; hand tools, portable power tools and ancillary equipment following instructions
 8. Follow organisational procedures in case of fire, accidents, spillages and equipment failure
 9. Assist in carrying out hazard identification and take appropriate action within the limits of their own authority
 10. Safely store tools and equipment for separating materials and components for pre-demolition activities
 11. Communicate with colleagues and line management to carry out safe and productive working practices

DEM23 - Assist in operating handheld power tools and equipment in the workplace

This unit lists the knowledge and skills required by a person holding this position to carry out activities in operating powered plant and equipment in the workplace.

Upon completion of this unit the person carrying out this work will possess the necessary knowledge and skills to assist in preparing, positioning and setting up the portable powered plant, tools and equipment for work, in carrying out pre and post use functional checks and in operating, using and controlling the tools and equipment in accordance with work requirements, organisational procedures, and superiors' instructions.

Performance Criteria

The candidate must have the necessary knowledge and skills to:

1. Assist in setting up and using powered plant and equipment and portable power tools as instructed
2. Carry out safe working practices as instructed
3. Identify and recognize the different portable powered plant and equipment, power source, fuels lubricants and consumables
4. Assist in setting up and in operating portable powered plant, tools and equipment to carry out various work activities

Required Knowledge

The Level 2 Assistant Demolition Operative must know and state:

1. The types of information applicable to the operation and use of powered plant and equipment and portable power tools, according to organisational instructions
2. The health and safety requirements associated with using powered plant and equipment and portable power tools - e.g. different power sources and attachments
3. The protective clothing and equipment to be worn (PPE and RPE) when using powered plant and portable power tools
4. Basic safety principles that need to be carried out on portable power tools prior to connecting to supply source
5. The actions to be taken if powered plant equipment and power tools are found to be faulty or defective
6. The different types of basic powered plant, portable plant and attachments and how they are prepared and set up for use
7. Basic operating procedures for starting and stopping different power sources - engines; pneumatic, hydraulic, electrical and cordless powered tools and equipment
8. The necessary precautions to be taken to prevent injury when using hand held portable power tools
9. Basic maintenance requirements to items of powered plant and equipment

10. Different types of fuels, lubricants and coolants used on powered plant and equipment
11. How to identify and select the correct item of powered plant and equipment/portable power tool

Required Skills

The Level 2 Assistant Demolition Operative must be able to:

1. Follow instructions for the safe use and operation of powered plant and equipment
2. Conform with organisational instructions and procedures related to the work being undertaken
3. Use the correct PPE and RPE when operating plant, equipment and portable power tools
4. Follow instructions to carry out functional and safety checks of plant equipment and portable power tools and equipment prior to use
5. Report faults and defects with plant and equipment in accordance with organisational procedures
6. Follow instructions to select, prepare and set up powered plant and equipment and their associated cables, hoses, tooling for work activities cables/hoses, tooling for operation;
7. Follow instructions to select, prepare and set up portable power tools and their associated tooling and attachments to carry out work activities
8. Remove and fit abrasive wheels and discs, securing accessories and tool attachments as may be instructed and under supervision
9. Carry out pre and post start checks on powered plant equipment and portable power tools as may be instructed and under supervision
10. Replenish fuels, lubricants and fluids as may be instructed and under supervision
11. Carry out basic maintenance to plant equipment, portable power tools and attachments as may be instructed and under supervision

DEM24 - Assist in demolishing and dismantling existing structures (by hand) in the workplace

This unit lists the knowledge and skills required by a person holding this position to carry out activities in demolishing/dismantling existing structures in the workplace.

Upon completion of this unit the persons carrying out this work will possess the necessary knowledge and skills to assist in demolishing and/or dismantling brick, masonry, concrete and steel structures safely for disposal and/or recycling in accordance with work requirements, organisational procedures, and supervisors' instructions.

Performance Criteria

The candidate must have the necessary knowledge and skills to:

1. Acknowledge given information relating to the requirements for demolishing and dismantling existing structures
2. Follow safe working practices in accordance with organisational requirements
3. Recognize and identify materials and tools to carry out demolition and dismantling work activities
4. Assist in carrying out demolishing/dismantling tasks to existing structures under supervision
5. Follow instructions to reduce the risk of damage in the workplace and surrounding areas
6. Conform to organisational instructions to carry out the work efficiently, productively and to specification

Required Knowledge

The Level 2 Assistant Demolition Operative must know and state:

1. The different types of organisational information, method statements, risk assessments, oral and written instructions, procedures and specifications
2. The organisation's reporting procedures for inaccurate information
3. The importance of risk assessments
4. Their own responsibilities under current legislation and organisational requirements whilst carrying out manual demolition activities
5. The purpose of health and safety equipment and the reasons for why and when it needs to be used for collective and personal protective measures,
6. The different types of Personal Protective equipment (PPE), respiratory protective equipment (RPE)
7. The potential hazards and risks associated with demolition and dismantling of structures: working at height, dust, manual handling
8. The organisational procedures to follow and who to report to on the discovery of hazardous materials, such as an asbestos containing material

9. The organizational procedures for responding to fire, spillages, injuries and other work-related hazards
10. The different types of tools and equipment required to carry out the demolition and dismantling work manually, such as: portable powered equipment, power tools, hand tools, ancillary equipment
11. Procedures to maintain tools and equipment to carry out demolition and dismantling activities
12. The reasons for protecting the work area from damage, erecting barriers, sheeting, exclusion zones
13. The reasons for the salvaging and separation of different materials and components
14. The basic procedures for disposing of waste safely in accordance with organisational procedures and environmental considerations
15. The importance of visually inspecting structures prior to work commencing and during the demolition process
16. The basic methods used for manually demolishing and dismantling buildings, structures and associated materials
17. Procedures for suppressing and controlling dust on site and surrounding area(s)
18. Procedure to determine the correct basic stripping sequence
19. The importance of communicating with colleagues and other occupations when carrying out manual demolition activities in buildings and structures
20. How the methods of work are applied to enable the work to be carried out safely and to specification
21. Procedures for dealing with problems which could affect the work programme

Required Skills

The Level 2 Assistant Demolition Operative must be able to:

1. Follow instructions to interpret and obtain appropriate information from method statements, risk assessments, drawings, organisational procedures and specification
2. Conform with organisational procedures and instructions
3. Report any inaccuracies with information to the appropriate person/s
4. Follow organisational requirements and superiors' instructions for official guidance
5. Assist in the use of health and safety control equipment, tools, equipment and access

- equipment in accordance with organisational procedures for demolishing/dismantling existing structures
6. Identify, select and use PPE, RPE and LEV equipment to carry out demolition/dismantling activities
 7. Identify hazards, protect surroundings and follow instructions to install/erect physical barriers to assist in the demolition/dismantling activities under supervision
 8. Assist in establishing the type of structure/materials to be demolished and in selecting appropriate hand tools, power tools and mechanical equipment
 9. Carry out visual inspections of structures throughout demolition and dismantling activities as may be instructed and under supervision
 10. Follow instructions to demolish/dismantle existing structures by hand, under supervision, and using tools and equipment such as; hand, portable power tools and ancillary equipment for bricks, blocks, masonry concrete, timber/timber based products, fixtures and fittings, clay products
 11. Check, use and maintain demolition tools, hand tools, portable power tools, mechanical and ancillary equipment as may be instructed and under supervision
 12. Remove assorted materials discarded by occupiers of buildings following instructions
 13. Remove salvageable components safely, move, handle and store them in accordance with organisational procedures and following instructions
 14. Handle and remove components and dispose of them for waste and/or re-cycling
 15. Assist in follow the correct method of work and determine the stripping sequence for the demolition/dismantling of the existing structure
 16. Report any problems or hazards associated with the demolition/dismantling tasks that may affect the work programme in accordance with organisational instructions and procedures
 17. Communicate with colleagues/supervisor, line manager to carry out efficient and productive working practices