

1. Module details**Module name****Waste Water Connection Point****Module duration**

It is expected that students with the appropriate entry knowledge and skills will successfully complete this module in 36 – 40 hours.

Module code

NUE022

Discipline code

0702130

2. Module purpose

This module will provide the learner with the skills and knowledge required to identify faults and safety procedures for waste water connection points.

3. Prerequisites

Nil.

4. Relationship to competency standards

This module provides part of the underpinning knowledge and skills in the 'Evidence Guide' of specific units of competency in the National Electrotechnology Training Package and provides similar support, where mapped, to equivalent units in the National Metals and Engineering Competency Standards. For details refer to the module to unit maps, available from NUEITAB.

5. Content**Location of faults****Identification of faults****Fumes and gases****Breathing apparatus****Public awareness****Protective barricading****Signage****Recording****Notification****Safety awareness**

6. Assessment strategy

Assessment methods

Assessment should be progressive reflecting a holistic approach to ensure the module purpose is met. To assist in ensuring validity, reliability and fairness assessment instruments should include practical exercises, assignments and written tests consisting of a number of item types, such as multiple choice, short answer and problem solving.

Conditions of assessment

Learning and assessment will take place in an environment that is conducive to a learner's development.

7. Learning outcome details

Learning outcome 1

Identify that a fault condition exists at the waste water connection point.

Assessment criteria

- 1.1 Describe the possible symptoms which may indicate that a fault condition exists.
- 1.2 Locate the fault condition and record its position.
- 1.3 Notify the appropriate person(s) that a fault in the system exists and the position has been recorded.

Learning outcome 2

Perform the necessary tasks to make the area safe.

Assessment criteria

- 2.1 Construct and erect protection barricading in order to prevent accidental access by unauthorised person(s).
- 2.2 Apply the appropriate safety signage to the protective barricade.
- 2.3 Explain what possible fumes and or gases may be present at the fault site and describe what method(s) of detection should be employed.
- 2.4 Discuss the possible dangers involved with fumes and gases which may be present at the site.
- 2.5 Identify the various types of breathing apparatus.
- 2.6 Demonstrate the use of self contained breathing apparatus in a simulated situation.

- 2.7 Determine the possible presence of dangerous fumes or gases.
- 2.8 Report all faults and action taken to the appropriate person(s) to consider further action.
- 2.9 Maintain a high level of personal hygiene.
- 2.10 Observe all safety procedures including the wearing of personal protective equipment.

8. Delivery of the module

Delivery strategy

Delivery strategies must be suitable for learning both theoretical and practical aspects described in the module purpose. It is considered that the most effective method to achieve this is by integration of theory and practice where students learn by experimentation, research and reports. It is recommended that learning and assessment be facilitated in a holistic manner that may require learning outcome sequence other than that indicated in the module.

Resource requirements

Students will need access to an operational powerhouse to gain maximum benefit from this module. They will also need access to all service manuals for the equipment they are training on.

Occupational health and safety requirements

A safe and healthy environment will be provided for students and teachers as well as the particular safety procedures followed as part of the learning / teaching activity and content.