

EUSNCO302 - SQA Unit Code FA80 04

Carry out operational planning for Network Construction Operations



Overview

This unit is designed for the candidate to demonstrate competence in planning the way operational activities will be carried out on the distribution network, and includes organising how to deal with unplanned activities that occur throughout the day. Methods must take into account the need to maintain water quality and continuity of supply.

This unit will apply to Network Construction Operations at Level 3 and is intended for Construction Supervisors.

There are two elements in this unit:

1. Recognise opportunities to use techniques which maintain water quality and continuity of supply
2. Plan for operational activities

**Performance
criteria**

You must be able to:

Recognise opportunities to use techniques which maintain water quality and continuity of supply

- P1 determine the type and nature of the network activity to be carried out
- P2 identify the regulatory requirements which apply to the network activity and the implications and constraints they impose
- P3 identify the relevant response levels for the use of certain techniques
- P4 determine the advantages, disadvantages and implications and constraints of relevant techniques which would be appropriate for the network activity
- P5 identify implications and constraints to be aware of where a particular technique appears to be a viable option

You must be able to:

Plan for operational activities

- P6 confirm the schedule of network activities to be carried out within a specified period for specific network operatives
- P7 provide information to and seek information from appropriate individuals and organisations according to organisational and regulatory requirements
- P8 determine a suitable priority order for specified network activities taking into account identified implications and constraints
- P9 ensure plan provides an acceptable level of flexibility to allow for the inclusion of specific unplanned network activities as they occur
- P10 check and alter the network status as required according to the network activities to be carried out
- P11 reassess your priority order in response to changing events
- P12 confirm relevant communications have been carried out with appropriate individuals and organisations according to organisational and regulatory requirements

Knowledge and understanding

You need to know and understand:

Recognise opportunities to use techniques which maintain water quality and continuity of supply

- K1 organisational requirements and response levels for different types of network activities
- K2 regulatory requirements for water quality and continuity of supply
- K3 different types of techniques, their application and associated cost benefits
- K4 what is meant by continuity of supply and issues related to adequacy
- K5 appropriateness, viability and cost effectiveness of techniques for different activities with regard to promoting maintenance of water quality, continuity of supply, convenience for customers and service standards
- K6 implications and effect of use of different techniques

You need to know and understand:

Plan for operational activities

- K7 the coverage and detail of work schedules
- K8 organisational and regulatory requirements for communicating with individuals and personnel and detail of the communications
- K9 what to consider in order to be able to prioritise effectively
- K10 what is considered to be an acceptable level of flexibility
- K11 how to make changes to network status and what this should cover, who is responsible and line of informing/reporting

Additional Information

Scope/range related to performance criteria

Recognise opportunities to use techniques which maintain water quality and continuity of supply

1. network activity: Routine and non routine activities, response to changed circumstances, works that affect company employees and others
2. regulatory requirements: Legislative and statutory requirements including Health, Safety and Environmental, continuity of supply and water quality, industry regulations and requirements
3. implications and constraints: Customer considerations, work details (including design, extent, location, time, duration, anticipated completion time), availability of resources, effect of weather/seasonal conditions

Plan for operational activities

4. network activity: Routine and non routine activities, response to changed circumstances, works that affect company employees and others
5. Individuals and organisations: Customers, contractors, network operatives, colleagues, statutory bodies
6. regulatory requirements: Legislative and statutory requirements, continuity of supply and water quality, industry regulations and requirements
7. implications and constraints: Customer considerations, work details (including design, extent, location, time, duration, anticipated completion time), availability of resources, effect of weather/seasonal conditions

EUSNCO302 - SQA Unit Code FA80 04

Carry out operational planning for Network Construction Operations

Developed by Energy and Utility Skills

Version number 1

Date approved 2010

Indicative review date 2015

Validity Current

Status Original

Originating organisation Energy and Utility Skills

Original URN NCO302

Relevant occupations Engineering and manufacturing technologies; Engineering

Suite Network Construction Operations

Key words Resources, routine activities, work activities, constraints