

EUSNCO301 - SQA Unit Code FA81 04

Carry out risk assessments for Network Construction Operations



Overview

This unit is designed for the candidate to demonstrate competence in planning, organising or supervising operational activities on the distribution network. The candidate will be involved in risk assessments for network activities, which will include routine and non routine activities and response to changed circumstances.

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. Identify the activity and related risk details
2. Assess the level of risk for specified activities

Performance criteria

You must be able to:

Identify the activity and related risk details

- P1 identify and access relevant information about the network activity to be carried out
- P2 determine if there is approved procedures and practices for carrying out a risk assessment for the network activity
- P3 confirm the relevance and implications of approved procedures and practices within an identified risk assessment for the network activity
- P4 determine the level of compliance that the network activity would provide to meet relevant regulatory requirements
- P5 select a method of identifying hazards appropriate to the network activity
- P6 fully identify the aspects of the network activity where hazards with a potential to affect water quality and continuity of supply are most likely to occur
- P7 record the identified hazards in an appropriate format according to regulatory requirements

You must be able to:

Assess the level of risk for specified activities

- P8 confirm why, where and how the risk assessment will be carried out
- P9 identify personal limitations when carrying out risk assessments and seek further advice and guidance as required
- P10 ensure risk assessment is appropriate to the nature and type of the network activity
- P11 identify risks and determine how they can be safely managed
- P12 determine an appropriate course of action where the risk assessment process highlights deficiency in relevant information
- P13 record and store the risk assessment (1) details and recommendations in an appropriate format according to organisational requirements

Knowledge and understanding

You need to know and understand:

Identify the activity and related risk details

- K1 organisational requirements for different types of network activities, including re-zoning, making connections, repairs, replacements, installation, maintenance, re-commissioning
- K2 what the information should cover and how to access it
- K3 organisational requirements for risk assessment, including for example, test and trial runs
- K4 why procedures may not cover all network activities and the likelihood of needing to carry out a new risk assessment
- K5 what is meant by continuity of supply and issues related to adequacy
- K6 regulatory requirements for water quality and continuity of supply
- K7 what constitutes a hazard and the implications of different hazards on different network activities
- K8 organisational reporting procedures and statutory recording requirements

You need to know and understand:

Assess the level of risk for specified activities

- K9 how to carry out risk assessments for operational activities, making connections, repairs, replacements, installation, maintenance, re-commissioning
- K10 their own limitations and the importance of recognising these
- K11 the people who will be able to provide further advice and guidance
- K12 options for managing risks, including lines/method of reportability
- K13 the action to take with deficient information
- K14 organisational recording and storage requirements

Additional Information

Scope/range related to performance criteria

Identify the activity and related risk details

1. relevant information: sources of information, statutory and non statutory reports, company documentation, job instructions, client documentation (internal or external)
2. network activity: routine and non routine activities, response to changed circumstances, works that affect company employees and others
3. approved procedures and practices: Health, Safety and Environmental related to the individual and others, organisational, regulatory, statutory, emergency, operational, contingency plans, relevant company policies, relevant client policies (internal or external) approved materials and equipment and procedures, and risk assessments
4. risk assessment: health, safety & environment, continuity of supply, water quality, appropriate formats and communication procedures
5. regulatory requirements: Legislative and statutory requirements including Health, Safety and Environmental, continuity of supply and water quality, industry regulations and requirements
6. types of hazards: restrictions to access and egress, mis-use of tools and equipment, faulty equipment, hazardous substances, hygiene, interference with and from adjacent activities and other utility apparatus, obstructions and exposed apparatus, structures and services

Assess the level of risk for specified activities

7. risk assessment: health, safety & environment, continuity of supply, water quality, appropriate formats and communication procedures
8. network activity: routine and non routine activities, response to changed circumstances, works that affect company employees and others
9. risks: Those which can be eliminated, reduced or controlled
10. relevant information: sources of information, statutory and non statutory reports, company documentation, job instructions, client documentation (internal or external)
11. organisational requirements: Impact on customers and others, extent of activity, location, time of day

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