

EUSLDC5

Programme, deploy and collect data from data-logging equipment



Overview

This unit is designed to demonstrate competence in programming, installing and collecting data from one or more of pressure, flow or noise-logging equipment on the water distribution network. You will need to select the correct data loggers, program them according to the set parameters and install them in the location specified. You must also record programming and deployment information and provide it to the appropriate people. You must collect data from the logging equipment and provide it to the relevant people and take action to resolve any problems which arise.

Hygiene procedures should be followed at all times.

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Performance criteria

You must be able to:

Programme data-logging equipment

- P1 use details of the monitoring activity to enable decisions to be made about choice of data-logging equipment
- P2 confirm data-logging equipment is in working order and is safe before using it
- P3 follow the programming sequence for the equipment type
- P4 set and enter the relevant parameters for the monitoring activity and confirm programming as required
- P5 record programming and deployment details and maintain these as required throughout the monitoring period
- P6 take relevant action to deal with programming or deployment problems

You must be able to:

Deploy and recover data-logging equipment

- P7 select the data-logging equipment according to instructions received and the monitoring activity to be carried out
- P8 check and confirm the data-logging equipment and the equipment to be logged is in working order and is safe
- P9 resolve any problems when data-logging equipment or the equipment to be logged is not working properly
- P10 prepare the data-logging equipment as required for the specified monitoring activity
- P11 install the data-logging equipment in the specified location and confirm its correct operation
- P12 provide deployment details to relevant personnel
- P13 remove specified data-logging equipment on completion of the monitoring period
- P14 follow safe working and hygiene practices in accordance with approved procedures and practices

You must be able to:

Collect data from data-logging equipment

- P15 identify data collection requirements from specified data-logging equipment
- P16 collect the data recorded by specified data-logging equipment, according to organisational requirements
- P17 provide recorded data to the relevant person, according to organisational requirements
- P18 take relevant action when problems occur in collecting the data

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Knowledge and understanding

You need to know and understand:

Programme data-logging equipment

- K1 the purposes for using data-logging equipment and the information each type provides
- K2 how to programme and use data-logging equipment
- K3 recording requirements
- K4 typical and unusual problems and how to deal with them

You need to know and understand:

Deploy and recover data-logging equipment

- K5 how to use data-logging equipment
- K6 the purpose of monitoring
- K7 how to resolve problems with logging equipment and the equipment to be logged and the limits of responsibility
- K8 how to prepare equipment for use
- K9 how to install and check equipment
- K10 who to provide recorded data to
- K11 how to remove equipment
- K12 safety and hygiene practices and related regulatory and statutory requirements

You need to know and understand:

Collect data from data-logging equipment

- K13 the data provided by different types of logging equipment
- K14 data collection methods
- K15 who needs the recorded data
- K16 typical and unusual problems and how to deal with them

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Additional Information

Glossary

Action

Rectification of problems within responsibility, reporting of problems outside responsibility

Approved procedures and practices

Environmental, organisational, regulatory, emergency, operational, Health, Safety and Environment, relevant procedures

Data-logging equipment

Pressure loggers, noise loggers, flow loggers, correlating loggers

Monitoring activity for

Permanent DMA monitoring, surveying, ad hoc monitoring

Problems

Operation of equipment, incompleteness of data, location of equipment

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