

EUIAS Level 2 End-point Assessment for Water Network Operative (Clean Water Network Operative; Waste Water Network Operative)

Supporting Documents

QAN 610/0213/6













Supporting Documents for

EUIAS Level 2 End-point Assessment for Water Network Operative

(Clean Water Network Operative; Waste Water Network Operative)

QAN 610/0213/6

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Updates to the supporting documents

Since the first publication of the EUIAS Water Network Operative Supporting Documents – Clean Water Network Operative; Waste Water Network Operative, the following updates have been made.

Version	Date first published	Section updated	Page(s)
V2.1	Oct 2024	Footer updated, Standard number amended	5
V2.0	Oct 2024	First published	All



Appendix A: Glossary

Amplification – provides more detail on how individual knowledge, skills or behaviours statements should be interpreted. Where the KSB statements, themselves are deemed self-explanatory, no amplification is provided. Assessment may include questions on anything identified in the amplification

Behaviours (as part of KSBs) – specific mindsets, attitudes or approaches identified as part of the apprenticeship standard that must be evidenced during endpoint assessment

Elements – are the knowledge, skills and behaviours and what is needed to competently undertake the duties required for an occupational standard

Gateway - the stage of the apprenticeship where the apprentice, employer and training provider determine whether the apprentice is ready to undertake end-point assessment

Guidance – is only provided where it is required to support interpretation of the KSB statements

Knowledge (as part of KSBs) – specific information, technical detail, and 'knowhow' identified as part of the apprenticeship standard that must be evidenced during end-point assessment

Pathways – a specialist route within an apprenticeship standard that builds on the occupational competence for a new entrant to the occupation

Skills (as part of KSBs) – the practical application of knowledge identified as part of the apprenticeship standard that must be evidenced during end-point assessment

Standard – An occupational standard is a description of an occupation. It contains occupational profile, and describes KSBs needed for someone to be competent in the occupation's duties. Occupational standards are developed by employers for occupations that meet the Institute for Apprenticeships and Technical Education current occupation criteria

Topic - is a collection of elements grouped into a theme e.g. Health and Safety

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Appendix B: Gateway Eligibility Form

(Standard Version: ST0898 version 1.2)

Apprentice's name:	Apprentice's job title:
Name of Employer:	Name of Training provider:
Employer representatives present:	Training provider representatives present:
Apprenticeship start date:	Apprenticeship on-programme end date:
Gateway meeting date:	
Has the apprentice taken any part of the end-point assessment for this apprenticeship standard with any other End Point Assessment Organisation?	Y/N
If "Yes" please give details:	

Apprentice's details

Eligibility requirements:

The apprentice must confirm their achievement of the following:

Eligibility requirement	Achieved by the apprentice? Y/N	Evidence (Scans of certificates MUST be included)
Achieved English in line with the apprenticeship funding rules		
Achieved Maths in line with the apprenticeship funding rules		
Compiled and submitted a portfolio of evidence on which the Question and Answer Session will be based		

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Gateway Eligibility Declaration

The apprentice, the employer and the training provider must sign this form to confirm that they understand and agree to the following:

- 1. The apprentice has completed the required on-programme elements of the apprenticeship and is ready for end-point assessment with EUIAS.
- 2. EUIAS has been informed about any reasonable adjustment and/or special considerations requests.
- 3. The apprentice will only submit their own work as part of end-point assessment.
- 4. All parties agree that end-point assessment evidence may be recorded and stored by EUIAS for quality assurance purposes.
- 5. The apprentice has been on-programme for a minimum duration of 365 days.
- 6. The apprentice has achieved English and maths in line with the apprenticeship funding rules.
- 7. The apprentice has compiled and submitted a portfolio of evidence, on which the question and answer session will be based.
- The apprentice, if successful, gives permission for EUIAS to request the apprenticeship. certificate from the ESFA who issue the certificate on behalf of the Secretary of State.
- 9. The apprentice has been directed to the EUIAS Appeals Policy and Complaints Policy.
- 10. The employer/training provider has given the EUIAS at least three months' notice of requesting this EPA for this apprentice.
- 11. If the Gateway Eligibility Report is not completed in full, meeting all requirements, and submitted to EUIAS, the end-point assessment cannot take place.

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Signed on behalf of the employer (print name):	Signature:	Date:
Signed on behalf of the training provider (print name):	Signature:	Date:
Apprentice's name (print):	Signature:	Date:
EUIAS use only:		
EUIAS Sign off:		
Comments/actions:		



Appendix C: Practice Multiple-choice Tests



Level: 3

Water Network Operative Pathway: Clean Water Practice Paper

This test consists of 30 questions.

The Pass mark is 21.

The duration of this examination is 60 minutes.

You must use a pencil to complete the answer sheet - pens must NOT be used. When completed, please leave the examination answer sheet and question paper on the desk.

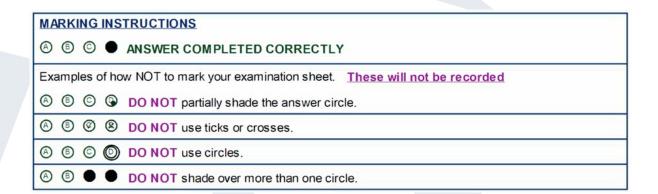
For this paper:

- access to reference books or materials is NOT allowed
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For each question, fill in ONE answer ONLY.

If you make a mistake, ensure you erase it thoroughly.

You must mark your choice of answer by shading in ONE answer circle only. Please mark each choice like this:





You may use this page for rough work This page must not be removed.



Question 1		
What is a dynamic risk assessment?		
Possible answers		
a)	A surveillance program to monitor workers health	
b)	A formal process to identify strengths and weaknesses in company processes	
c)	A systematic process used to identify potential hazards in the workplace before starting a new process	
d)	A continuous safety practice that allows workers to quickly identify hazards 'on the spot'	

Question 2		
Identify ONE purpose of PPE (Personal Protective Equipment)?		
Possible answers		
a)	To enhance comfort	
b)	To reduce the need for other safety measures	
c)	To reduce exposure to hazards	
d)	To reduce costs	

Questio	Question 3		
If a Pern	If a Permit to Work has been cancelled, when can the work restart?		
Possible answers			
a)	Once the most experienced operative has reinstated the original Permit to Work		
b)	When a new Permit to Work has been obtained from the authorised person		
c)	The work is important, so it does not stop, regardless of the conditions in the Permit to Work		
d)	The Permit to Work automatically renews every 24 hours at 8am		



Questic	Question 4		
What do	What does the hazard sign below mean?		
Possibl	Possible answers		
a)	The substance is toxic		
b)	The substance is corrosive		
c)	The substance is oxidising		
d)	The substance is flammable		

Question 5		
An operative identifies that the lifting equipment is seriously damaged. What should they do?		
Possible answers		
a)	Complete the current task under supervision then document the defects found	
b)	Immediately cease using the equipment and report the damage	
c)	Assess the load and complete the task if the load is manageable and stable	
d)	Carry out load testing and ensure it is added to the next inspection list	



Question 6			
Before a	Before administering first aid to an injured or unconscious person, an operative		
should:			
Possible answers			
a)	move the person to make them more comfortable		
b)	leave the person alone and find a trained first aider		
c)	ensure that the accident book is available to record the details		
d)	make sure the scene is safe		

Question 7

According to the 'Safety at Street Works and Road Works: A Code of Practice', what is the **absolute minimum** width of footway that must be maintained when working in the highway?

Possibl	Possible answers		
a)	1.0 metres		
b)	1.2 metres		
c)	1.5 metres		
d)	1.8 metres		

According to the Health and Safety at Work Act 1974 (HASAWA), which ONE of the following is the employer's responsibility? Possible answers a) Provide training so employees know how to work safely b) Knowing when a doctor advises an operative not to carry out certain tasks c) Carrying out dynamic risk assessments before an operative carries out a task d) Making sure operatives can travel home safely after work



Question 9	
Which ONE of the following topic areas is a requirement under the Provision and	
	Vork Equipment Regulations (PUWER) 1998?
Possible	e answers
a)	Instructions for the regular replacement of equipment
b)	The retention of inspection and maintenance records
c)	Controls to prevent employees using equipment in an unsafe manner
d)	Arrangements for users to carry out the annual maintenance of equipment

Question 10		
Which ONE of the following indicators should alert an operator that they may have uncovered an asbestos water main?		
Possible answers		
a)	Blue coloured tape	
b)	Cotton wrapping	
c)	Hazard marker	
d)	Black coloured tape	



Question 11	
While working on the network, an operative uncovers what might be an asbestos	
pipe. What should they do first?	
Possible answers	
a)	Wear a face mask to reduce the risk of breathing asbestos fibres
b)	Take a photograph and notify their colleagues to stay away
c)	Stop work immediately and call their team leader
d)	Take extra care while working on the pipe

Question 12		
Identify (Identify ONE control measure that must be in place when working with asbestos	
containir	containing materials.	
Possible answers		
a)	Access to the site has been restricted to ensure security, permitting entry only to trained and authorised personnel	
b)	All personnel are required to put on their PPE (Personal Protective Equipment) immediately after entering the work area	
c)	All personnel have completed training in Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)	
d)	Clean the area and wet the pipes using high pressure jetting equipment	



Questio	Question 13	
Following completion of a job, how does an operative ensure that the location of		
any utilities present can be correctly recorded on a map?		
Possible answers		
a)	Mark up adjacent to excavation area using chalk or line marker paint	
b)	Knock steel pins into the ground to mark their location	
c)	Note the key physical properties of the supply pipeline	
d)	Remember their location and document it later	

Question 14		
	After reviewing a utility plan, what is the first step to check its accuracy against site	
condition	conditions?	
Possible answers		
a)	Excavate with a digger to prove location of utilities	
b)	Survey the area using the plan to identify features	
c)	Cross-reference with utility company records	
d)	Mark the detected utilities on the ground	

Question 15	
The New Roads and Street Works Act 1991 (NRSWA) is:	
Possible answers	
a)	a guide for companies
b)	a qualification for individuals
c)	a code of practice that should be followed
d)	legislation that must be complied with



Question 16	
Short-duration static work on the public highway must not exceed:	
Possible answers	
a)	20 minutes
b)	60 minutes
c)	90 minutes
d)	120 minutes

Question 17		
What is	What is the maximum allowable depth of a trench before the installation of trench	
support becomes necessary?		
Possible answers		
a)	It is determined by the risk of collapse	
b)	It is dependent on the length of the trench	
c)	It is dependent on the duration of the job	
d)	It is set at a fixed measure of 1.2 metres	

Questic	Question 18	
What is	What is the maximum horizontal spacing permitted between mechanical struts in a	
tradition	traditional trench support system less than 3 metres depth?	
Possible answers		
a)	0.9 metres	
b)	1.0 metres	
c)	1.5 metres	
d)	Determined by risk assessment	



Question 19	
Which ONE of the following trenches is suitable for a lightweight trench support system?	
Possible answers	
a)	A shallow trench in good ground conditions
b)	A trench needing to support heavy loads
c)	A trench in wet conditions
d)	A trench in loose ground

Question 20	
What are the four recognised road design structures?	
Possible answers	
a)	Surround, backfill, base, sub-base
b)	Flexible, composite, rigid, modular
c)	Concrete, reinforced concrete, CBGM, (Cement Bound Granular Mixture), block
d)	Tarmac, concrete, block, slab

Question 21			
Identify	Identify ONE key responsibility of OFWAT.		
Possible answers			
a)	Investigates consumer complaints about drinking water quality		
b)	Enforces workplace health, safety, and welfare standards		
c)	Works with local authorities to help community recovery after flooding		
d)	Ensures water companies carry out their statutory functions		



Questio	Question 22		
The prin	The principal responsibility of the Drinking Water Inspectorate (DWI) is:		
Possible answers			
a)	optimising the use of chemicals in water treatment processes		
b)	to promote best practice for sampling in water treatment processes		
c)	to ensure water supplies are safe and drinking water quality is acceptable to consumers		
d)	to ensure consumers provide access to their premises so samples of drinking water can be taken		

Questio	Question 23		
Which C	Which ONE of the following roles does NOT fall within the remit of the Consumer		
Council	Council for Water (CCWater)?		
Possible	Possible answers		
a)	Management of the customer measure of experience (C-MeX)		
a)	programme		
b)	Investigating customer's complaints if they have tried and failed to resolve		
D)	issues with their water companies		
c)	Making sure that the consumers' collective voice is heard in national		
()	water debate		
d)	Providing a national voice for consumers of water and wastewater service		
	consumers in England and Wales		



Question 24			
Which C	Which ONE of the following incidents would be more likely to be investigated by		
the Envi	ronment Agency (EA)?		
Possible	e answers		
a)	Legionella bacteria in the hot water tank of a building		
b)	High lead levels detected from a customer water tap sample		
c)	A pollution incident in a river close to a wastewater pumping station		
d)	Customer complaints of overcharging based on a faulty water meter reading		

Question 25			
The Customer Experience Measure (CMEX) is a residential customer survey			
carried o	carried out on behalf of:		
Possible	Possible answers		
a)	the Drinking Water Inspectorate (DWI)		
b)	the Environment Agency (EA)		
c)	the Water Services regulation Authority (OFWAT)		
d)	each Water Company		



Question 26

At what point must the water company make a GSS (guaranteed standards scheme) payment to customers suffering an interruption to supply caused by a burst on a small distribution main?

Possible answers		
a)	3 hours	
b)	6 hours	
c)	12 hours	
d)	24 hours	

Question 27

If a customer sends a written complaint to the water company, within what timescale does the water company need to send a response?

times	timescale does the water company need to send a response?		
Possible answers			
a)	1 working day		
b)	5 working days		
c)	10 working days		
d)	15 working days		

Question 28

What does Regulation 31 of The Water Supply (Water Quality) Regulations 2016, relate to?

relate to?		
Possible answers		
a)	It provides definitions and scope for monitoring interruption to supply	
b)	The approval and use of materials and products in contact with drinking water	
c)	It details the requirements for sampling at service reservoirs	
d)	Guidelines for collecting and analysing water samples	



Questic	Question 29		
Why mu	Why must a risk assessment be completed before working on asbestos containing		
materia	materials?		
Possible answers			
a)	To identify the hazards to apply the right controls and ensure safe work		
b)	Because working with asbestos is classed as 'hot works', and requires a permit to work		
c)	To identify which team member will be authorised to sign off the permit to work		
d)	To ensure that the work can be completed in accordance with the general data protection regulations		

Question 30			
	Which ONE of the following tests might confirm that flowing water, on a road, is		
leaking	from a drinking water main?		
Possibl	Possible answers		
a)	Phosphate		
b)	Total chlorine		
c)	Dry solids		
d)	Ph		

End of Questions



Practice Test Answer Scheme

Question	Answer	Question	Answer	Question	Answer
1	D	11	С	21	D
2	С	12	Α	22	С
3	В	13	Α	23	А
4	В	14	В	24	С
5	В	15	D	25	С
6	D	16	В	26	С
7	Α	17	Α	27	С
8	Α	18	D	28	В
9	В	19	Α	29	Α
10	В	20	В	30	В



Level: 3

Water Network Operative Pathway: Waste Water Practice Paper

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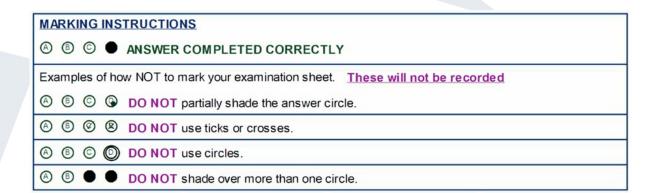
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What is a dynamic risk assessment?		
Possible answers		
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Question 2		
Identify ONE purpose of PPE (Personal Protective Equipment)?		
Possible	Possible answers	
a)	To enhance comfort	
b)	To reduce the need for other safety measures	
c)	To reduce exposure to hazards	
d)	To reduce costs	

Question 3		
The Mar	The Manual Handling Operations Regulations 1992 require employers to:	
Possible answers		
a)	avoid the need for dangerous physical tasks, where possible	
b)	ensure that all work equipment is suitable for its intended use	
c)	clearly mark lifting equipment with its Safe Working Load (SWL)	
d)	report serious workplace accidents to the relevant authorities	



Questio	Question 4	
If a Perr	If a Permit to Work has been cancelled, when can the work restart?	
Possible answers		
a)	Once the most experienced operative has reinstated the original Permit to Work	
b)	When a new Permit to Work has been obtained from the authorised person	
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c)	ensure that the accident book is available to record the details	
d)	make sure the scene is safe	



F:	
Question 8	
Which ONE of the following is a potential source of ignition that may spark and	
start a fire?	
Possible answers	
a)	Spilt chemicals left on the ground
b)	Wastepaper towels overflowing from a bin on site
c)	Flammable liquids such as fuel and oil
d)	Overheated electrical equipment

Question 9

According to the 'Safety at Street Works and Road Works: A Code of Practice', what is the **absolute minimum** width of footway that must be maintained when working in the highway?

9	and might be	
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What is	What is the maximum horizontal spacing permitted between mechanical struts in a	
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Possible answers		
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d)	Determined by risk assessment	



Question 21	
Which ONE of the following trenches is suitable for a lightweight trench support system?	
Possible answers	
a)	A shallow trench in good ground conditions
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c)	A trench in wet conditions
d)	A trench in loose ground

Question 22	
What are the four recognised road design structures?	
Possible answers	
a)	Surround, backfill, base, sub-base
b)	Flexible, composite, rigid, modular
c)	Concrete, reinforced concrete, CBGM, (Cement Bound Granular Mixture), block
d)	Tarmac, concrete, block, slab

Question 23	
Identify ONE key responsibility of OFWAT.	
Possible answers	
a)	Investigates consumer complaints about drinking water quality
b)	Enforces workplace health, safety, and welfare standards
c)	Works with local authorities to help community recovery after flooding
d)	Ensures water companies carry out their statutory functions



Question 24	
The principal responsibility of the Drinking Water Inspectorate (DWI) is:	
Possible answers	
a)	optimising the use of chemicals in water treatment processes
b)	to promote best practice for sampling in water treatment processes
c)	to ensure water supplies are safe and drinking water quality is acceptable to consumers
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Question 25		
Which C	Which ONE of the following roles does NOT fall within the remit of the Consumer	
Council	Council for Water (CCWater)?	
Possible answers		
a)	Management of the customer measure of experience (C-MeX)	
a)	programme	
b)	Investigating customer's complaints if they have tried and failed to resolve	
D)	issues with their water companies	
c)	Making sure that the consumers' collective voice is heard in national	
	water debate	
d)	Providing a national voice for consumers of water and wastewater service	
	consumers in England and Wales	



Questio	Question 26	
Which C	Which ONE of the following incidents would be more likely to be investigated by	
the Envi	ronment Agency (EA)?	
Possible	Possible answers	
a)	Legionella bacteria in the hot water tank of a building	
b)	High lead levels detected from a customer water tap sample	
c)	A pollution incident in a river close to a wastewater pumping station	
d)	Customer complaints of overcharging based on a faulty water meter reading	

Question 27	
The Customer Experience Measure (CMEX) is a residential customer survey	
carried out on behalf of:	
Possible answers	
a)	the Drinking Water Inspectorate (DWI)
b)	the Environment Agency (EA)
c)	the Water Services regulation Authority (OFWAT)
d)	each Water Company



Question 28		
Which organisation is responsible for providing permission for a factory to		
discharge trade effluent into the public sewer? Possible answers		
a)	The local council	
b)	The Environment Agency (EA)	
c)	The Health and Safety Executive (HSE)	
d)	The water company who owns the sewer	

Question 29		
If a customer sends a written complaint to the water company, within what timescale does the water company need to send a response?		
Possible answers		
a)	1 working day	
b)	5 working days	
c)	10 working days	
d)	15 working days	

Question 30		
Why must a risk assessment be completed before working on asbestos containing		
materials?		
Possible answers		
a)	To identify the hazards to apply the right controls and ensure safe work	
b)	Because working with asbestos is classed as 'hot works', and requires a	
	permit to work	
c)	To identify which team member will be authorised to sign off the permit to	
٥,	work	
d)	To ensure that the work can be completed in accordance with the general	
	data protection regulations	

End of Questions



Practice Test Answer Scheme

Question	Answer	Question	Answer	Question	Answer
1	D	11	В	21	Α
2	С	12	В	22	В
3	Α	13	С	23	D
4	В	14	Α	24	С
5	В	15	Α	25	А
6	В	16	В	26	С
7	D	17	D	27	С
8	D	18	В	28	D
9	Α	19	Α	29	С
10	Α	20	D	30	А



EUIAS MCQ Example answer Sheet

SAMPLE ANSWER SHEET

ENERGY & UTILITIES
INDEPENDENT
ASSESSMENT SERVICE

Candidate ID	Atte	empt		
	Last Name First Name			
Exam Date		aper		
l .				
Centre Number				
MARKING INSTRUCTIONS				
Answers should be completed us				
	ETED CORRECTLY			
Examples of how NOT to mark you	r examination sheet. These will not	be recorded		
	shade the answer circle.			
	or crosses.			
A B O DO NOT use circle	es.			
	ver more than one circle.			
1 0 0 0	21 🛭 🖺 🕒 🗇	41 (8) (8) (5) (9)		
2 0 0 0	22 0 0 0 0	42 0 0 0 0		
3 0 0 0	23 🙆 🕲 🔘 🔘	43 🔘 🖲 🔘 🔘		
	24 🙆 🚳 🔘 🔘	44 (0) (0) (0)		
4 (A) (B) (C) (C) 5 (A) (B) (C) (C)	25 🔗 🚳 🔘 🔘	45 🔕 🚳 🔘 🔘		
6 0 0 0 0	26 8 9 9 9	46 🙆 🗑 🔘 🔘		
7 0 0 0 0	27 🐧 🖲 🔘 🔘	47 🙆 🗑 🔘 🔘		
8 0 0 0	28 0 0 0 0	48 🙆 🗑 🔘 🔘		
9 0 0 0	29 🐧 🖲 🔘 🔘	49 🙆 🗑 🔘 🔘		
10 0 0 0 0	30 0 0 0	50 🛭 🗗 🔘 🔘		
11 (8) (8) (9) (9)	31 🐧 🖲 🔘 🔘			
12 🙆 🕲 🕲 🔘	32 🙆 🗓 🔘 🔘			
13 🚳 🚳 🔘 🔘	33 🐧 🖲 🔘 🔘			
14 🔘 🕲 🔘	34 🔘 🗓 🔘			
15 🛭 🕒 🕒	35 🛭 🕒 🔘 🔘			
16 🛭 🕒 🔘	36 🛭 🕒 🔘			
17 🛭 🕒 🔘	37 🛭 🕒 🔘 🔘			
18 🛭 🕒 🔘	38 🛭 🕒 🔘			
19 A B O O	39 A 6 O O			
	40 0 0 0			



Appendix D: Practical Assessment Planning and Approval Forms



Instructions

This form has two purposes:

- 1. To help you plan a Practical Assessment for your apprentices
- 2. To inform EUIAS of the proposed task(s) for the live assessment

Important Information:

- The apprentice is assessed in a realistic work environment without unreasonable distractions. The apprentice must **not** be observed carrying out their day to day role. They must complete set task(s)
- A total of 3 hours + or 18 minutes is permitted for the Practical Assessment with questioning
- The practical assessment is assessed by an EUIAS independent assessor
- The ratio of assessor to apprentice is 1:1
- The practical assessment may not be split other than to allow the apprentice to move from one location to another and for meal/comfort breaks.
- The employer/provider must provide all tools and consumables, ensuring that tools are in a serviceable condition.
- An employer/provider representative must be present or immediately contactable for the duration of the assessment.
- During the assessment, the assessor will be asking questions which are part of the assessment.

The activities should be designed to assess a broad range of the skills, knowledge and behaviours developed over the period of the apprenticeship. However, as a minimum the Practical Assessment must cover the activities and KSBs listed in the Planning Form below.

EUIAS will review the employer/training provider's Practical Assessment task brief. Task variations: If you have more than one apprentice being assessed, use the 'Practical Assessment variations' section of the form to indicate what the task variations that will be put in place so that apprentices are not asked to complete identical tasks.

Complete the 'Practical Assessment Planning and Review Form' and submit it to the Service Delivery team via enquiries@euias.co.uk, for review at least 1 month before the start of the end-point assessment.

Further detail can be found in the WNO EPA Specification.

EUIAS Level 2 End-point Assessment for Water Network Operative (Clean Water; Waste Water) Supporting Documents V2.1



Practical assessment planning and approval form

Clean Water

Employer name and site address:	
Training provider (if	
applicable) name and site	
address:	
Took Title/o) Submission:	
Task Title(s) Submission:	
Contact Details:	
Employer/training provider	
representative, email address and	
contact number overseeing the	
setup of the practical task	
(documents and site).	
EUIAS Date of review:	
EUIAS Date signed off:	

The following must be observed during the practical assessment:

- health, safety and environment
- prepare and maintain site for water network operations
- select, prepare and use or operate tools and equipment
- pipe cutting
- procedures
- communication
- work organisation
- maintain, repair and install assets
- quality assurance



Please confirm:		
Duration of planned task		
Task will be conducted in a realistic work		
environment		
Name, email and contact number of the		
employer/provider representative who will		
be immediately contactable for the duration		
of the assessment		
Brief task(s) description:		
Box will expand to allow further detail		
Task variations:		
Box will expand to allow further detail		
Special requirements / site access for the assessor (for example: access		
arrangements/PPE):		
Box will expand to allow further detail		
Resources (for example: equipment/tools red	quired):	
Note: Provision of all equipment and resource	ces are the responsibility of the	
employer and must be suitable for the task, in good safe working condition and certification where applicable		



Please state how the apprentice will have the opportunity to achieve the		
follo	owing elements	
A: F	lealth, safety and environment	
	Complies with health, safety and environmental policy and practices in the	
	workplace by identifying hazards and implementing controls to reduce risks to	
	people and the environment. (S1, S4)	
	Puts health and safety first by following safe systems of work and using	
	permits, engineering and work instructions. (S2, B1)	
Stat	tement:	
B: F	Prepare and maintain site for water network operation	
B: F	Completes housekeeping and monitors and maintains site conditions by	
	Completes housekeeping and monitors and maintains site conditions by	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	



Please state how the apprentice will have the opportunity to achieve the		
following elements		
C: Select, prepare and use or operate tools and equipment		
□ Selects, undertakes pre and post use checks and uses or operates tools and equipment, including utility location equipment in line with manufacturer's instructions to carry out water network operations. Reports faults with tools and equipment where required in line with organisational procedures. (K9, S9)		
☐ Maintains and stores tools and equipment in line with manufacturer's guidelines. (S10)		
☐ Uses gas detection equipment to identify gasses. (K10, S12)		
Statement:		
D: Pipe cutting		
☐ Cuts pipes in line with task requirements to complete water network tasks. (K15, S20)		
Statement:		



Please state how the apprentice will have the opportunity to achieve the		
following elements		
E: Procedures		
☐ Follows standard operating procedures to complete tasks. (K26, S14)		
Statement:		
F: Communication and work organisation		
☐ Communicates with others using verbal communication techniques, giving and receiving information using industry terminology in a way that is suitable		
for the audience. (K20, S11)		
☐ Communicates with others using written techniques in a way that supports		
task completion. Completes documentation, task information and job sheets		
accurately. (K21, S13)		
☐ Applies work organisation and time management techniques to organise and		
prioritise their own work. (K24, S17)		
Statement:		



Please state how the apprentice will have the opportunity to achieve the		
follo	owing elements	
G: I	Maintain, repair and install clean water assets	
	Carries out repairs on clean water assets and conducts disinfection procedures for clean water mains and services in line with task requirements. (K31, K39, S26, S29)	
	Follows hygiene procedures when working on clean water assets in accordance with National Water Hygiene requirements. (K28, S32)	
	Constructs, installs and connects clean water network mains and services, joining materials by mechanical means in line with task requirements. (K29, S23, S25)	
Stat	tement:	
H: C	Quality assurance for clean water assets	
	Assess and test the performance of the asset repair and report any issues if necessary, in line with organisational procedures. (K32, S27)	
Stat	tement:	



Practical assessment planning and approval form

Waste Water

Employer name and site address:	
Training provider (if	
applicable) name and site	
address:	
Task Title(s) Submission:	
rack ride(c) cabinication.	
Contact Details:	
Employer/training provider	
representative, email address and	
contact number overseeing the	
setup of the practical task	
(documents and site).	
EUIAS Date of review:	
EUIAS Date signed off:	

The following must be observed during the practical assessment:

- health, safety and environment
- prepare and maintain site for water network operations
- select, prepare and use or operate tools and equipment
- pipe cutting
- procedures
- communication
- work organisation
- maintain, repair and install assets



Please confirm:		
Duration of planned task		
Task will be conducted in a realistic work		
environment		
Name, email and contact number of the		
employer/provider representative who will		
be immediately contactable for the duration		
of the assessment		
Brief task(s) description:		
Box will expand to allow further detail		
Task variations:		
Box will expand to allow further detail		
Special requirements / site access for the assessor (for example: access		
arrangements/PPE):		
Box will expand to allow further detail		
Resources (for example: equipment/tools required):		
Note: Provision of all equipment and resource	•	
employer and must be suitable for the task, in good safe working condition and certification where applicable		



	Please state how the apprentice will have the opportunity to achieve the			
follo	following elements			
A: F	lealth, safety and environment			
	Complies with health, safety and environmental policy and practices in the			
	workplace by identifying hazards and implementing controls to reduce risks to			
	people and the environment. (S1, S4)			
	Puts health and safety first by following safe systems of work and using			
	permits, engineering and work instructions. (S2, B1)			
Stat	tement:			
B: Prepare and maintain site for water network operation				
B: F	Prepare and maintain site for water network operation			
B: F	Prepare and maintain site for water network operation Completes housekeeping and monitors and maintains site conditions by			
	Completes housekeeping and monitors and maintains site conditions by			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			
	Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8) Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2) Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)			



Pleas	Please state how the apprentice will have the opportunity to achieve the				
follo	wing elements				
C: Se	C: Select, prepare and use or operate tools and equipment				
□ Selects, undertakes pre and post use checks and uses or operates tools and equipment, including utility location equipment in line with manufacturer's instructions to carry out water network operations. Reports faults with tools and equipment where required in line with organisational procedures. (K9, S9)					
	☐ Maintains and stores tools and equipment in line with manufacturer's guidelines. (S10)				
	Uses gas detection equipment to identify gasses. (K10, S12)				
	Statement:				
D: Pi	ipe cutting				
	Cuts pipes in line with task requirements to complete water network tasks. (K15, S20)				
State	ement:				



Please state how the apprentice will have the opportunity to achieve the					
following elements					
E: Procedures					
☐ Follows standard operating procedures to complete tasks. (K26, S14)					
Statement:					
F: Communication and work organisation					
☐ Communicates with others using verbal communication techniques, giving					
and receiving information using industry terminology in a way that is suitable					
for the audience. (K20, S11)					
☐ Communicates with others using written techniques in a way that supports					
task completion. Completes documentation, task information and job sheets					
accurately. (K21, S13)					
Applies work organisation and time management techniques to organise and					
prioritise their own work. (K24, S17) Statement:					
Statement.					



Please state how the apprentice will have the opportunity to achieve the following elements				
G: Maintain, repair and install waste water assets				
	Repairs waste water network assets in line with company procedures. (K43, S37)			
	Uses mitigation methods to maintain waste water flows. (K50, S38)			
	Follows personal hygiene measures and decontaminates tools, equipment and PPE following waste water network operations. (K46, S40)			
	Constructs, installs or replaces and connects waste water network assets including sewers, drains and combined sewer overflows in line with task requirements. (K42, S33)			
Stat	tement:			



Appendix E: Practice Practical Assessment Forms



Water Network Operative Clean Water Practical Assessment

Name of Apprentice	
Location(s) of practice practical assessment	
Name of Assessor	
Date of practice practical assessment	
Start Time	
End Time	
Assessor additional comments	

			Grade
Please indicate the apprentice's practice	e practic	cal assessment	
grade (F/P):			

Please Note:

To achieve a Pass, the Apprentice must achieve all the pass descriptors.

Fail: the apprentice does not demonstrate all the pass descriptors.



	Important points			
Assessment: The apprentice will be observed and assessed against the following themes: ☐ Health, safety and environment ☐ Prepare and maintain site for water network operations ☐ Select, prepare and use or operate tools and equipment				
				□ Pipe cutting
				□ Procedures
				□ Communication
	□ Work organisation			
	□ Maintain, repair and install assets			
	□ Quality assurance			
	Introduction			
	At the start of the practical observation the Assessor will:			
	Introduce themselves			
	Confirm their role			
	• Provide apprentice with information on the format of the practical assessment, including the timescales they will be working to.			
	(The assessor can share the grading guidance with the apprentice as this appears in the assessment plan)			
	The apprentice will:			
	Give their full name			
	Their date of birth			



- Their employer name
- Confirm they are prepared for the practical observation; and confirm they can continue with the practical observation

The apprentice will be asked to show their identification to the Assessor prior to beginning the assessment

Important points to inform the apprentice

- If at any point during the observation you perform an unsafe act/task which contravenes Health and Safety, I will immediately stop the observation
- Please do not judge anything by me taking notes and you should not infer anything positive or negative from how long the observation lasts
- In the live observation the assessor is not allowed to give you feedback at any point
- Ensure that your mobile is turned off or somewhere where you will not be interrupted during the observation

Name of person delivering the introduction:	Date	
I confirm that I have received the practical		
assessment introduction	(Appr	entice signature):



Assessor Guidance

Delivery

- The practical assessment must take three hours. The time for questioning is included in the overall assessment time
- The independent assessor has the discretion to increase the time of the practical assessment by up to 10% to allow the apprentice to complete a task or respond to a question. When questioning during the practical assessment please consider the issue of background noise when recording apprentice responses
- · You must manage invigilation of the apprentice during breaks to maintain security of the assessment
- You must ask a minimum of six questions, across the tasks
- Ensure to ask questions during natural stops between tasks and/or after completion of work
- Follow-up questions can be asked where clarification is required
- The time for questioning is included in the overall assessment time
- Answers to questions, must be recorded and time lined



Group 1: Health, safety and environment

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р		
Complies with health, safety and environmental policy and practices in the workplace by identifying hazards and implementing controls to reduce risks to people and the environment. (S1, S4)			
Puts health and safety first by following safe systems of work and using permits, engineering and work instructions. (S2, B1)			
Comments: (what was observed)			
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the grading descriptors above			
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria			



Group 1 - Fail	Group 1 - Pass	
----------------	----------------	--

S1: Identify hazards and implement controls to reduce risks to people and the environment.

S2: Comply with a safe system of work, including permits, work and engineering instructions.

S4: Comply with workplace health, safety and environmental policy and practice; use of Personal Protective Equipment (PPE) and safety equipment.

B1: Put health and safety first.



Group 2: Prepare and maintain site for water network operations

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8)	
Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)	
Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



	Group 2 - Fail		Group 2 - Pass	
--	----------------	--	----------------	--

K8: Principles and processes that underpin the locating of utility network assets; health and safety guidance on avoiding damage to underground utility services.

S3: Identify and organise resources.

S5: Follow procedures for signing, lighting and guarding as well as public and pedestrian segregation and escalate issues if required.

S6: Identify, locate and avoid damage to underground utility services.

S8: Monitor and maintain site conditions; good housekeeping.

B2: Take ownership of given work.



Group 3: Select, prepare and use or operate tools and equipment

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Selects, undertakes pre and post use checks and uses or operates tools and equipment, including utility location equipment in line with manufacturer's instructions to carry out water network operations. Reports faults with tools and equipment where required in line with organisational procedures. (K9, S9)	
Maintains and stores tools and equipment in line with manufacturer's guidelines. (S10)	
Uses gas detection equipment to identify gasses. (K10, S12)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 3 - Fail	Group 3 - Pass	

K9: Pre and post use checks, operation, maintenance, and storage requirements, for utility network operations equipment and tools including utility location equipment.

K10: Gas detection equipment.

S9: Select, check and operate equipment and tools; report faults if required.

\$10: Maintain and store equipment and tools, for example charge batteries, clean equipment, grease machines, re-fuel.

\$12: Use gas detection equipment.



Group 4: Pipe cutting

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Cuts pipes in line with task requirements to complete water network tasks. (K15, S20)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	ne grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	
Group 4 - Fail Group 4 - Pass Group 4 - Pass	
K15: Pipe cutting techniques. S20: Carry out pipe cutting.	

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Group 5: Procedures

To achieve a PASS the apprentice must demonstrate ALI	L the following pass descr	iptors	Р
Follows standard operating procedures to complete tasks. ((K26, S14)		
Comments: (what was observed)			
Pass Questions Develop open ended questions to help seek clarification wh descriptors above	nere required and assess	the level of competence against the	e grading
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the a	apprentice has failed to	meet the Pass criteria	
Group 5 - Fail	Group 5 - Pass		

K26: Standard operating procedures (SOP).

\$14: Follow standard operating procedures (SOP).



Group 6: Communication

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Communicates with others using verbal communication techniques, giving and receiving information using industry terminology in a way that is suitable for the audience. (K20, S11)	
Communicates with others using written techniques in a way that supports task completion. Completes documentation, task information and job sheets accurately. (K21, S13)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 6 - Fail		Group 6 - Pass	
----------------	--	----------------	--

K20: Verbal communication techniques – giving and receiving information using industry terminology. Matching style to audience.

K21: Written communication techniques and documentation requirements including job sheets.

S11: Communicate with others verbally for example, internal and external customers, colleagues and managers.

\$13: Communicate in writing with others and record task information, for example, job sheets.



Group 7: Work organisation

To achieve a PASS the apprentice must demonstrate ALL the followi	ing pass desci	iptors	Р
Applies work organisation and time management techniques to organis	se and prioritis	e their own work. (K24, S17)	
Comments: (what was observed)			
Pass Questions			
Develop open ended questions to help seek clarification where required descriptors above	d and assess	the level of competence against the	e grading
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the apprentice	has failed to	meet the Pass criteria	
Group 7 - Fail Group	up 7 - Pass		

K24: Work organisation and time management techniques.

\$17: Organise and prioritise own work.



Group 8: Maintain, repair and install clean water assets

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Carries out repairs on clean water assets and conducts disinfection procedures for clean water mains and services in line with task requirements. (K31, K39, S26, S29)	
Follows hygiene procedures when working on clean water assets in accordance with National Water Hygiene requirements. (K28, S32)	
Constructs, installs and connects clean water network mains and services, joining materials by mechanical means in line with task requirements. (K29, S23, S25)	
Comments: (what was observed) Pass Questions	
Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 8 - Fail		Group 8 - Pass	
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K28: National Water Hygiene (water quality as a food source and product).

K29: Procedures for the construction and connection of clean water network mains and services.

K31: Procedures for the repair of clean water network assets.

K39: Disinfection procedures for clean water mains and services.

\$23: Join materials by mechanical means on clean water assets.

\$25: Install clean water assets.

\$26: Conduct disinfection procedures for clean water mains and services.

\$29: Repair water network asset.

\$32: Follow hygiene procedures.



Group 9: Quality assurance for clean water assets

To achieve a PASS the apprentice must demonstrate ALL the following pass de	scriptors	Р
Assess and test the performance of the asset repair and report any issues if necest procedures. (K32, S27)	ssary, in line with organisational	
Comments: (what was observed)		
Pass Questions		
Develop open ended questions to help seek clarification where required and asserted descriptors above	ss the level of competence against the	e grading
Summary of response to question(s):		
Feedback that you can provide to the apprentice if the apprentice has failed	to meet the Pass criteria	
Group 9 - Fail Group 9 - Pass		

K32: Principles to assess and test the integrity of the repair on the water asset.

S27: Check the performance of the asset and escalate issues if necessary.



Water Network Operative Waste Water Practical Assessment

Name of Apprentice	
Location(s) of practice practical assessment	
Name of Assessor	
Date of practice practical assessment	
Start Time	
End Time	
Assessor additional comments	

	Grade
Please indicate the apprentice's practice practical assessment	
grade (F/P):	

Please Note:

To achieve a Pass, the Apprentice must achieve all the pass descriptors.

Fail: the apprentice does not demonstrate all the pass descriptors.

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Important points
Assessment: The apprentice will be observed and assessed against the following themes:
□Health, safety and environment
□ Prepare and maintain site for water network operations
□ Select, prepare and use or operate tools and equipment
☐ Pipe cutting
□ Procedures
□ Communication
□ Work organisation
□ Maintain, repair and install assets
Introduction
At the start of the practical observation the Assessor will:
Introduce themselves
Confirm their role
• Provide apprentice with information on the format of the practical assessment, including the timescales they will be working to.
(The assessor can share the grading guidance with the apprentice as this appears in the assessment plan)
The apprentice will:
Give their full name
Their date of birth



- Their employer name
- Confirm they are prepared for the practical observation; and confirm they can continue with the practical observation.

The apprentice will be asked to show their identification to the Assessor prior to beginning the assessment

Important points to inform the apprentice

- If at any point during the observation you perform an unsafe act/task which contravenes Health and Safety, I will immediately stop the observation
- Please do not judge anything by me taking notes and you should not infer anything positive or negative from how long the observation lasts
- In the live observation the assessor is not allowed to give you feedback at any point
- Ensure that your mobile is turned off or somewhere where you will not be interrupted during the observation

Name of person delivering the introduction:	Date	
I confirm that I have received the practical		
assessment introduction	(Appre	entice signature):



Assessor Guidance

Delivery

- The practical assessment must take three hours. The time for questioning is included in the overall assessment time.
- The independent assessor has the discretion to increase the time of the practical assessment by up to 10% to allow the
 apprentice to complete a task or respond to a question. When questioning during the practical assessment please consider
 the issue of background noise when recording apprentice responses
- · You must manage invigilation of the apprentice during breaks to maintain security of the assessment
- You must ask a minimum of six questions, across the tasks
- Ensure to ask questions during natural stops between tasks and/or after completion of work
- Follow-up questions can be asked where clarification is required
- The time for questioning is included in the overall assessment time
- Answers to guestions, must be recorded and time lined



Group 1: Health, safety and environment

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Complies with health, safety and environmental policy and practices in the workplace by identifying hazards and implementing controls to reduce risks to people and the environment. (S1, S4)	
Puts health and safety first by following safe systems of work and using permits, engineering and work instructions. (S2, B1)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 1 - Fail	Group 1 - Pass
----------------	----------------

S1: Identify hazards and implement controls to reduce risks to people and the environment.

S2: Comply with a safe system of work, including permits, work and engineering instructions.

S4: Comply with workplace health, safety and environmental policy and practice; use of Personal Protective Equipment (PPE) and safety equipment.

B1: Put health and safety first.



Group 2: Prepare and maintain site for water network operations

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Completes housekeeping and monitors and maintains site conditions by following procedures for signing, lighting, guarding and public and pedestrian segregation. Identifies and escalates any non-compliance when required in line with organisational procedures. (S5, S8)	
Takes ownership of given work to identify, organise and use resources to undertake the activity. (S3, B2)	
Locates and identifies underground utility services and follows health and safety guidance to avoid damage. (K8, S6)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 2 - Fail	Group 2 - Pass	
	-	

K8: Principles and processes that underpin the locating of utility network assets; health and safety guidance on avoiding damage to underground utility services.

S3: Identify and organise resources.

S5: Follow procedures for signing, lighting and guarding as well as public and pedestrian segregation and escalate issues if required.

S6: Identify, locate and avoid damage to underground utility services.

S8: Monitor and maintain site conditions; good housekeeping.

B2: Take ownership of given work.



Group 3: Select, prepare and use or operate tools and equipment

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Selects, undertakes pre and post use checks and uses or operates tools and equipment, including utility location equipment in line with manufacturer's instructions to carry out water network operations. Reports faults with tools and equipment where required in line with organisational procedures. (K9, S9)	
Maintains and stores tools and equipment in line with manufacturer's guidelines. (S10)	
Uses gas detection equipment to identify gasses. (K10, S12)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s): Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 3 - Fail	Group 3 - Pass
----------------	----------------

K9: Pre and post use checks, operation, maintenance, and storage requirements, for utility network operations equipment and tools including utility location equipment.

K10: Gas detection equipment.

S9: Select, check and operate equipment and tools; report faults if required.

\$10: Maintain and store equipment and tools, for example charge batteries, clean equipment, grease machines, re-fuel.

\$12: Use gas detection equipment.



Group 4: Pipe cutting

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Cuts pipes in line with task requirements to complete water network tasks. (K15, S20)	
Comments: (what was observed)	,
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence descriptors above	against the grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	
Group 4 - Fail Group 4 - Pass Group 4 - Pass Group 4 - Pass	

K15: Pipe cutting techniques.S20: Carry out pipe cutting.



Group 5: Procedures

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Follows standard operating procedures to complete tasks. (K26, S14)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against descriptors above	the grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	
Group 5 - Fail Group 5 - Pass Group 5 - Pass	

K26: Standard operating procedures (SOP).

\$14: Follow standard operating procedures (SOP).



Group 6: Communication

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Communicates with others using verbal communication techniques, giving and receiving information using industry terminology in a way that is suitable for the audience. (K20, S11)	
Communicates with others using written techniques in a way that supports task completion. Completes documentation, task information and job sheets accurately. (K21, S13)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 6 - Fail	Group 6 - Pass
----------------	----------------

K20: Verbal communication techniques – giving and receiving information using industry terminology. Matching style to audience.

K21: Written communication techniques and documentation requirements including job sheets.

S11: Communicate with others verbally for example, internal and external customers, colleagues and managers.

\$13: Communicate in writing with others and record task information, for example, job sheets.



Group 7: Work organisation

re required and assess the l	evel of competence against th	ne grading
prentice has failed to mee	t the Pass criteria	
		re required and assess the level of competence against the prentice has failed to meet the Pass criteria

K24: Work organisation and time management techniques.

\$17: Organise and prioritise own work.



Group 8: Maintain, repair and install waste water assets

To achieve a PASS the apprentice must demonstrate ALL the following pass descriptors	Р
Repairs waste water network assets in line with company procedures. (K43, S37)	
Uses mitigation methods to maintain waste water flows. (K50, S38)	
Follows personal hygiene measures and decontaminates tools, equipment and PPE following waste water network operations. (K46, S40)	
Constructs, installs or replaces and connects waste water network assets including sewers, drains and combined sewer overflows in line with task requirements. (K42, S33)	
Comments: (what was observed)	
Pass Questions Develop open ended questions to help seek clarification where required and assess the level of competence against the descriptors above	e grading
Summary of response to question(s):	
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria	



Group 8 - Fail	Group 8 - Pass	

K42: Procedures for the construction and connection of waste water network assets, including sewers, drains, and combined sewer overflows.

K43: Procedures for repairs in waste water.

K46: Personal hygiene measures.

K50: Principles of wastewater flows.

\$33: Install or replace waste water assets.

\$37: Repair waste water network assets.

\$38: Use mitigation methods to maintain flow, for example using pumps, stopping or diverting.

\$40: Decontaminate equipment, tooling and PPE.

EUIAS Level 2 End-point Assessment for Water Network Operative (Clean Water; Waste Water) Supporting Documents V2.1 QAN: 610/0231/6 – ST0898 V1.2 © 2024 Energy & Utility Skills



K19: Procedures for the construction and connection of waste water network assets (mains and services).

\$30: Join materials by flexible seals on waste water services.

\$31: Install waste water supply services.

\$37: Use pumps and dewatering equipment to mitigate and maintain flow in the network.

\$40: Decontaminate equipment, tooling and PPE.



Appendix F: Practice Question and Answer Session Forms



Water Network Operative Clean Water Question and Answer Session

Full Name of Apprentice		
Apprentice ID checked		
Location of End-point Assessment		
Full Name of Independent Assessor		
Date of Q&A Session		
Start Time		
End Time		
Resit (check the box)		
Assessor additional comments		
		Grade
Please indicate the apprentice's p	rovisional grade for the	
interview (F/P/D):		
By signing below, I confirm that the	information provided is corre	ct and the
provisional grade awarded is a true		e by the apprentice.
Independent Assessor Full Nam	e and Signature: Date:	

Please Note:

To achieve a Pass, the Apprentice must achieve all the pass descriptors.

Fail: the apprentice does not demonstrate all the pass descriptors.

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Introduction

At the start of the question and answer session the assessor will:

- Introduce themselves
- State their role
- State the date of the question and answer session
- Request and confirm ID from the apprentice
- Provide apprentice with information on the format of the with questions, including the timescales they will be working to.

The apprentice will:

- Confirm their full name
- Confirm their date of birth
- Give their employer name
- Confirm their location and that no one else is present in the room, if remote apprentice to pan camera 360°
- Confirm they are prepared for the question and answer session; and confirm they can continue with the Q&A session
- Confirm that the evidence within the portfolio relates to the KSB's that will be assessed during the Q&A session

Important points to inform the apprentice

- Please don't judge anything by the notes being taken, nor infer anything positive or negative from how long the interview lasts
- Please don't consider me rude if I tell you that we need to move onto the next question. This will ensure that you get the opportunity to fully demonstrate your competencies within the time allowed
- Ensure the apprentice has a drink of water to hand
- Please ensure that your mobile is switched off or placed somewhere where you will not be interrupted during the interview
- Confirm that a sign is placed on the door of the interview room. Interview in progress 'Do not disturb'
- Note: The live interview will be fully recorded for the purpose of audit and quality assurance



Assessor Guidance

Delivery

- The interview will last 60 minutes. An additional 10% is allowed for the apprentice to complete their last answer
- You must be in full control. Time management is key! If the apprentice veers off track, they need to be reined back in
- · You must ask a minimum of five open questions
- The purpose of the questions is to cover the following topics: team working, communication, equity and diversity, ICT and digital, excavation, repair and install assets, fault-finding and problem solving, environment and sustainability, learning and development
- Please work through the sections in the order they appear within this document
- Additional follow-up questions are allowed to seek clarification and to make a judgement against grading descriptor
- The text of additional questions must be recorded on this document
- Adapt the questions to the apprentice's circumstances following your review of their portfolio evidence
- Supply brief written notes where each criterion has been met
- If the apprentice does not achieve a descriptor, provide written notes that EUIAS can feed back to the apprentice to help the apprentice prepare for a resit
- Both the recording and the written notes will be subject to IQA
- At the end of the interview Thank the apprentice for their time



Working with others and communication

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Describes how they apply team working principles to meet work goals. (K25, S19, B3)		Explains how their team focus supports wider teams to meet their goals. (K25, S19, B3)	
Explains the reporting channels and escalation procedures for emergency situations, including emergency services, highways authorities, local authorities, Environment Agency and utility companies. (K16, K19) Describes how they apply and support equity, diversity,			
and inclusion in their work in line with rules. (K22, S18, B4)			
Pass Questions Develop open ended questions to assess the level of com	npetenc	e against the Pass grading descriptors above	
Distinction Questions Develop open ended questions to assess the level of com-	npetend	e against the Distinction grading descriptors above	



Portfolio reference		
Summary of response to question(s):		
Feedback that you can provide to the apprentic	e if the apprentice has failed to med	et the Pass criteria
Feedback that you can provide to the apprentic	e if the apprentice has failed to med	et the Distinction criteria
Fail	Pass	Distinction

K16: Escalation procedures for emergency situations, including emergency services, highways authorities, local authorities, Environment Agency, and utility companies.

K19: Reporting channels; limits of authority.

K22: Equity, diversity and inclusion considerations in the workplace.

K25: Team working principles.

\$18: Apply equity, diversity and inclusion rules.

\$19: Apply team working principles.

B3: Team-focus to meet work goals.

B4: Support an inclusive workplace for example, respectful of different views.



ICT and digital

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	No distinction descriptors
Describes how they use information technology and		
digital information systems and comply with GDPR and		
cyber security to support work tasks. (K23, S15)		
Pass Questions Develop open ended questions to assess the level of com-	npetenc	e against the Pass grading descriptors above
Portfolio reference		
Summary of response to question(s):		
Feedback that you can provide to the apprentice if the ap	prentice	has failed to meet the Pass criteria
Fail 🔲	Pass	

K23: Information technology and digital: email, equipment digital interfaces, management information systems. General Data Protection Regulation (GDPR). Cyber security.

S15: Use information technology and digital systems. Comply with GDPR and cyber security.



Excavating, repairing and installing clean water network assets

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Describes how to carry out open cut, moling and vacuum extraction excavation techniques safely when		Justifies the excavation technique used. (K14, S7)	
working on the water network. (K14, S7)			
Explains the procedures for using and removing			
chemicals and disposing of chlorinated water to avoid			
contamination in the water network in accordance with regulations. (K35, K38)			
Describes how to use continuous supply procedures. (K36, S28)			
Describes how to safely operate hydrants, valves and	П		
pumping equipment in line with company procedures.			
(K37, K41, S31)			
Explains how to squeezes off, drills and taps clean			
water assets in line with task requirements. (S21, S24)			
Explains how they join materials by fusion techniques.			
(S22)			



To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Pass Questions Develop open ended questions to assess the level of com-	npetenc	e against the Pass grading descriptors above	
Distinction Questions Develop open ended questions to assess the level of com-	npetenc	e against the Distinction grading descriptors above	
Portfolio reference			
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the app	prentice	e has failed to meet the Pass criteria	
Feedback that you can provide to the apprentice if the app	prentice	e has failed to meet the Distinction criteria	



To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Fail	Pass	☐ Distinction ☐	
K14: Excavation techniques: open cut, moling, vacuum ext	traction		
K35: Procedures for the disposal of chlorinated water.			
K36: Continuous supply procedures.			
K37: Pumping equipment.			
K38: The use and removal of chemicals to avoid contamination	ation in	the water network, in line with regulations.	
K41: The safe operation of hydrants and valves, in line with	n comp	any procedures.	
S7: Carry out safe excavation practices for utility network s	ervices		
S21: Carry out squeeze off activities.			
S22: Join materials by fusion techniques.			
S24: Drill and tap clean water assets.			
S28: Use continuous supply procedures.			

S31: Use pumping equipment.



Fault-finding, problem solving and environment and sustainability

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Describes problem solving techniques they use to identify and solve common faults and issues in the clean water network. (K33, S30)		Explains the importance of identifying and reporting faults and issues in terms of impact on others or the business. (K33, S30)	
Explains the consequences that burst pipes and water leaks can have on people and the environment. (K34)			
Describes the risks and consequences that types of pollution, including light, noise, smells, spills and waste can have on people and the environment. (K4)		Explains the importance of complying with environmental and sustainability regulations and the importance of escalating environmental and pollution incidents. (K5,	
Explains how they comply with environmental and sustainability regulations and guidance, including the Environmental Protection Act and hazardous waste regulations when carrying out work and what the policies and procedures are for escalating environmental and pollution incidents. (K5, K6, B6)		K6)	
Pass Questions Develop open ended questions to assess the level of com-	petenc	e against the Pass grading descriptors above	



Distinction Questions						
Develop open ended questions to assess the level of competence against the Distinction grading descriptors above						
Portfolio reference						
Summary of response to question(s):						
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria						
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Distinction criteria						
Fail Pass Distinction Distinction						

K4: Pollution; the risks and consequences of pollution incidents on people and the environment. Including types of pollution, control measures, light, noise, smells, spills, and waste.

K5: Environmental and sustainability regulations and guidance, including the Environmental Protection Act and hazardous waste regulation. The environmental impact of clean and waste water operations.

K6: Policies and procedures for escalating environmental and pollution incidents.

K33: Common faults and issues in the clean water network. Problem solving techniques.

K34: Consequences of bursts and leaks on people and the environment.

\$30: Identify and solve common issues within the clean water network.

B6: Consider the impact on the environment when using resources and carrying out work.



Learning and development

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	No distinction descriptors	
Describes the learning and development activities they			
have completed to support competence in their role.			
(S16, B5)			
Pass Questions Develop open ended questions to assess the level of competence against the Pass grading descriptors above			
Portfolio reference			
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria			
Fail 🔲	Pass		

S16: Carry out learning and development activities. **B5:** Seek learning and development opportunities.



Water Network Operative Waste Water Question and Answer Session

Full Name of Apprentice		
Apprentice ID checked		
Location of End-point Assessment		
Full Name of Independent Assessor		
Date of Q&A Session		
Start Time		
End Time		
Resit (check the box)		
Assessor additional comments		
		_
		Grade
Please indicate the apprentice's p	rovisional grade for the	
interview (F/P/D):		
By signing below, I confirm that the inf awarded is a true reflection of the perf		the preliminary grade
Independent Assessor Full Name	e and Signature: Date:	
Please Note:		

To achieve a Pass, the Apprentice must achieve all the pass descriptors.

Fail: the apprentice does not demonstrate all the pass descriptors.

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Introduction

At the start of the question and answer session the assessor will:

- Introduce themselves
- State their role
- State the date of the question and answer session
- Request and confirm ID from the apprentice
- Provide apprentice with information on the format of the with questions, including the timescales they will be working to.

The apprentice will:

- Confirm their full name
- Confirm their date of birth
- Give their employer name
- Confirm their location and that no one else is present in the room, if remote apprentice to pan camera 360°
- Confirm they are prepared for the question and answer session; and confirm they can continue with the Q&A session

Confirm that the evidence within the portfolio relates to the KSB's that will be assessed during the Q&A session

Important points to inform the apprentice

- Please don't judge anything by the notes being taken, nor infer anything positive or negative from how long the interview lasts
- Please don't consider me rude if I tell you that we need to move onto the next question. This will ensure that you get the opportunity to fully demonstrate your competencies within the time allowed
- Ensure the apprentice has a drink of water to hand
- Please ensure that your mobile is switched off or placed somewhere where you will not be interrupted during the interview.
- Confirm that a sign is placed on the door of the interview room. Interview in progress 'Do not disturb'
- Note: The live interview will be fully recorded for the purpose of audit and quality assurance



Assessor Guidance

Delivery

- The interview will last 60 minutes. An additional 10% is allowed for the apprentice to complete their last answer
- You must be in full control. Time management is key! If the apprentice veers off track, they need to be reined back in
- You must ask a minimum of five open questions
- The purpose of the questions is to cover the following topics: team working, communication, equity and diversity, ICT and digital, excavation, repair and install assets, fault-finding and problem solving, environment and sustainability, learning and development
- Please work through the sections in the order they appear within this document
- Additional follow-up questions are allowed to seek clarification and to make a judgement against grading descriptor
- The text of additional questions must be recorded on this document
- Adapt the questions to the apprentice's circumstances following your review of their portfolio evidence
- Supply brief written notes where each criterion has been met
- If the apprentice does not achieve a descriptor, provide written notes that EUIAS can feed back to the apprentice to help the apprentice prepare for a resit
- Both the recording and the written notes will be subject to IQA
- At the end of the interview Thank the apprentice for their time



Working with others and communication

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Describes how they apply team working principles to meet work goals. (K25, S19, B3)		Explains how their team focus supports wider teams to meet their goals. (K25, S19, B3)	
Explains the reporting channels and escalation procedures for emergency situations, including emergency services, highways authorities, local authorities, Environment Agency and utility companies. (K16, K19)			
Describes how they apply and support equity, diversity, and inclusion in their work in line with rules. (K22, S18, B4)			
Pass Questions Develop open ended questions to assess the level of com-	petenc	ee against the Pass grading descriptors above	
Distinction Questions Develop open ended questions to assess the level of com-	npetend	e against the Distinction grading descriptors above	



Portfolio reference		
Summary of response to question(s):		
Feedback that you can provide to the apprer	ntice if the apprentice has failed to m	eet the Pass criteria
Feedback that you can provide to the apprer	ntice if the apprentice has failed to m	eet the Distinction criteria
Fail	Pass 🗌	Distinction

K16: Escalation procedures for emergency situations, including emergency services, highways authorities, local authorities, Environment Agency, and utility companies.

K19: Reporting channels; limits of authority.

K22: Equity, diversity and inclusion considerations in the workplace.

K25: Team working principles.

\$18: Apply equity, diversity and inclusion rules.

\$19: Apply team working principles.

B3: Team-focus to meet work goals.

B4: Support an inclusive workplace for example, respectful of different views.



ICT and digital

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	No distinction descriptors
Describes how they use information technology and		
digital information systems and comply with GDPR and		
cyber security to support work tasks. (K23, S15)		
Pass Questions Develop open ended questions to assess the level of competence against the Pass grading descriptors above		
Portfolio reference		
Summary of response to question(s):		
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria		
Fail 🔲	Pass	

K23: Information technology and digital: email, equipment digital interfaces, management information systems. General Data Protection Regulation (GDPR). Cyber security.

S15: Use information technology and digital systems. Comply with GDPR and cyber security.



Excavating, repairing and installing waste water network assets

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Describes how to carry out open cut, moling and vacuum extraction excavation techniques safely when working on the water network. (K14, S7)		Justifies the excavation technique used. (K14, S7)	
Explains how sewerage pumps and pumping stations operate, and how they impact on the network. (K47)			
Describes how to lock off and isolate pumps. (K48)			
Describes how they prepare the site for a no-dig team. (K49, S35)			
Describes how to use flexible seals to join materials when replacing waste water services. (S34)			
Explains how to carry out and shore deep excavations. (S36)			
Pass Questions Develop open ended questions to assess the level of com-	petend	ce against the Pass grading descriptors above	



To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Distinction Questions Develop open ended questions to assess the level of com-	npetenc	e against the Distinction grading descriptors above	
Portfolio reference			
Summary of response to question(s):			
Feedback that you can provide to the apprentice if the app	prentice	e has failed to meet the Pass criteria	
Feedback that you can provide to the apprentice if the app	prentice	e has failed to meet the Distinction criteria	
Fail	Pass	Distinction	

K14: Excavation techniques: open cut, moling, vacuum extraction.

K47: The operating principles of sewerage pumps and pumping stations and their impact on the network. **K48:** Pumping stations - lock off and isolation procedures for pumps.



K49: Preparations needed for a no dig team.

S7: Carry out safe excavation practices for utility network services.

S34: Replace and join materials by flexible seals, for example band seals on waste water services.

S35: Prepare the site for a no dig team.

S36: Carry out excavation and shoring of deep excavations.



Fault-finding, problem solving and environment and sustainability

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	To achieve a DISTINCTION the apprentice must demonstrate all the distinction descriptors	D
Explains how to identify and solve common issues within the waste water network, including the procedures for dealing with contamination and pollution. (K44, S39)		Explains the importance of identifying and resolving common issues within the waste water network, including contamination and pollution. (K44, S39)	
Describes the risks and consequences that types of pollution, including light, noise, smells, spills and waste can have on people and the environment. (K4) Explains how they comply with environmental and sustainability regulations and guidance, including the Environmental Protection Act and hazardous waste regulations when carrying out work and what the policies and procedures are for escalating environmental and pollution incidents. (K5, K6, B6)		Explains the importance of complying with environmental and sustainability regulations and the importance of escalating environmental and pollution incidents. (K5, K6)	
Pass Questions Develop open ended questions to assess the level of competence against the Pass grading descriptors above			



Distinction Questions					
Develop open ended questions to assess the	level of competence against	the Distinction grading descriptors above			
Portfolio reference					
Summary of response to question(s):					
Feedback that you can provide to the apprentice if the apprentice has failed to meet the Pass criteria					
Feedback that you can provide to the apprent	ice if the apprentice has faile	d to meet the Distinction criteria			
Fail	Pass	Distinction			

K4: Pollution; the risks and consequences of pollution incidents on people and the environment. Including types of pollution, control measures, light, noise, smells, spills, and waste.

K5: Environmental and sustainability regulations and guidance, including the Environmental Protection Act and hazardous waste regulation. The environmental impact of clean and waste water operations.

K6: Policies and procedures for escalating environmental and pollution incidents.

K44: Procedures for dealing with contamination and pollution.

S39: Identify and solve common issues within the waste water network.

B6: Consider the impact on the environment when using resources and carrying out work.



Learning and development

To achieve a PASS the apprentice must demonstrate all the pass descriptors	Р	No distinction descriptors		
Describes the learning and development activities they				
have completed to support competence in their role.				
(S16, B5)				
Pass Questions				
Develop open ended questions to assess the level of com-	petend	e against the Pass grading descriptors above		
Portfolio reference				
Summary of response to question(s):				
Feedback that you can provide to the apprentice if the app	prentice	has failed to meet the Pass criteria		
Fail	Pass			

S16: Carry out learning and development activities.

B5: Seek learning and development opportunities.



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