

EUIAS Level 3 End-point Assessment Apprentice Guide for

Water Process Operative (Clean water process operative; Waste water process operative)

QAN 610/0243/4













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Updates to this Guide

Since the first publication of the EUIAS Water Process Operative Apprentice Guide, the following updates have been made.

Version	Date first published	Section updated	Page(s)
V1.0	August 2023	First published	All





At A Glance Component 1: Multiple-choice Test

Date(s):	
Time:	
Location:	
Examination Conditions:	Controlled by an invigilator
Additional Requirements:	
Assessed and marked by:	Independent assessor/EUIAS

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At A Glance Component 2: Observation with questions

Date(s):	
Time:	
Location:	
Examination Conditions:	With an EUIAS assessor in your place of work or training environment
Additional Requirements:	
Assessed and marked by:	Independent assessor/EUIAS

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At A Glance Component 3: Interview based on the portfolio of evidence

Date(s):	
Time:	
Location:	
Examination Conditions:	With an EUIAS assessor in your place of work or training environment
Additional Requirements:	
Assessed and marked by:	EUIAS



Introduction



EUIAS has been selected by your employer to carry out end-point assessment (EPA) and it is our job to ensure that you are assessed fairly.

How This Apprentice Guide Is Organised

✓ Section 1:

What is in the Apprentice Guide?

✓ Section 2:

An Apprentice's End-point Assessment Journey

✓ Section 3:

End-point Assessment Components

How to Use This Guide



This guide has been split into 3 sections. You can dip into each section that you are working on where you will find useful information, practical advice, tips you need and useful dates to successfully complete your EPA.

Throughout we have used headings and cross referenced to our EPA Water Process Operative (WPO) Specification and/or Supporting Documents which provides details of the EPA components.



Section 1: The Basics

What is an Apprenticeship Standard?



An apprenticeship standard is a description of your apprenticeship, and it is based on the Water Process Operative standard, which was written by employers. It contains the Water Process Operative's job profile, and describes the knowledge, skills, and behaviours (KSBs):

- Knowledge: (as part of KSBs) specific information, technical detail, and 'know-how' identified as part of the apprenticeship standard that must be evidenced during your end-point assessment
- 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
- Behaviours (as part of KSBs) specific mindsets, attitudes or approaches identified as part of the apprenticeship standard that must be evidenced during end-point assessment

The standard can be accessed via the link below:

Water process operative / Institute for Apprenticeships and Technical Education

What is an Assessment Plan?

An Assessment Plan is also written by employers and provides details of what is required for you to pass your end-point assessment. It includes details of what you will be assessed on, how each assessment will take place, what methods will be used and who will assess you.

EUIAS designed the end-point assessment (EPA) to meet the requirements of the Assessment Plan. The Assessment Plan can be accessed via the link below: st0876 water process operative I2- epa-plan publication-adj- 22072021em.pdf (instituteforapprenticeships.org)



What is an end-point assessment (EPA)?

The end-point assessment is the assessments you take at the end of your apprenticeship. You will typically spend 18 months on-programme working towards your standard with a minimum of 20% off-the-job training. You are required to spend a minimum of 12 months on-programme. After this you have a Gateway meeting with your employer or training provider to confirm you are ready for the end-point assessments. The words end-point means that you will be assessed at the end of your on-programme (training) to confirm you have met the standard. Your EPA period will typically last 3 months. The end-point assessments consist of 3 components:

- Observation with questions
- Interview based on your portfolio of evidence
- Multiple-choice test

Each component has a provisional grade, and each grade is carried forward to award a final grade. You must pass all 3 components to pass your apprenticeship.

The final grade can be a Fail, Pass or Distinction.

What are the Gateway Requirements?

Gateway is a meeting where your employer, training provider and you ensure that you are confident that you can demonstrate all the KSBs defined in the apprenticeship standard and you are ready for EPA. After the meeting, your training provider will confirm the outcomes of the Gateway meeting by sending a signed document to EUIAS. The document confirms that you have met the following Gateway requirements:

- achieved English and maths qualifications in line with the apprenticeship funding rules
- compiled a portfolio of evidence, which will support you in your interview

Your training provider will send copies of these documents to EUIAS.



What is the EPA Specification?

EUIAS End-point Assessment Specification for

Level 2 Water Process Operative (Clean water process operative; Waste water process operative) QAN 610/0243/4 The end-point assessment specification provides details of the assessment methods used in your EPA, which:

- KSBs that are covered by each assessment
- KSBs amplification and guidance

The Specification can be accessed via the link below:

EUIAS-EPA-Water-Process-Operative Complete new-1.pdf



Section 2: Apprentice EPA Journey

Let us Begin Your EPA Journey.

Find a quiet place and read on....

Water Process Operative is a core and options apprenticeship standard. You must be trained and assessed against the core and one of the following specialisms:

- Clean water process operative
- Waste water process operative.

Your EPA journey consists of 3 elements:

- A training programme with on the job, off the job elements, typically 30 months
- Gateway meeting window
- End-point Assessment (EPA) typically 3 months

Your journey begins with the training program. Your employer and training provider are responsible for this part. This is where you will gain the required Knowledge, Skills, and Behaviours (KSBs).

How will you be assessed in the end-point assessment?

You will be assessed on the following components, which can be taken in any order:

- 1. Observation with questions
- 2. Interview based on your portfolio of evidence
- 3. Multiple-choice test

It is important for you to keep a record of when your 3 components are scheduled. We suggest you use the 'At a Glance' tables on page 5.

You must pass all 3 components to achieve this qualification. For further guidance refer to Section 3 End-point Assessment Components.



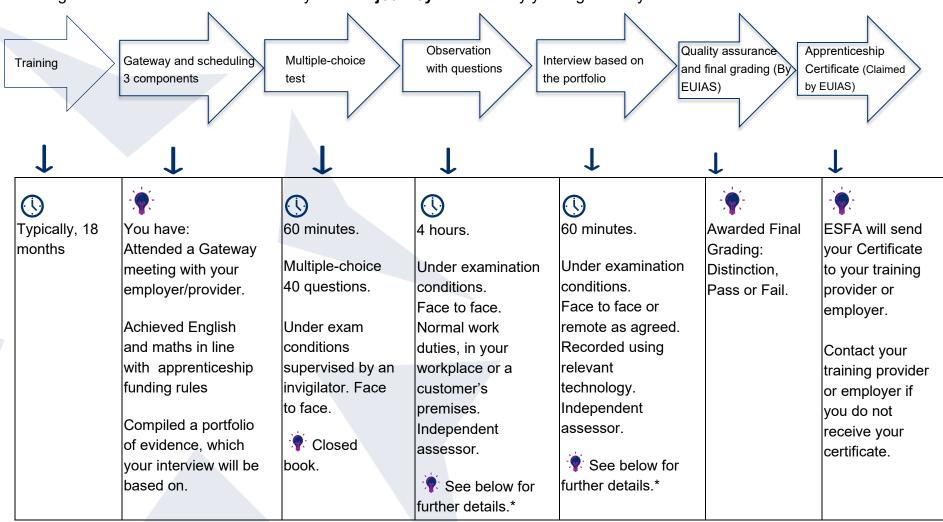
Reasonable adjustments

A reasonable adjustment is any action that helps to reduce the effect of a disability or difficulty that places you at a substantial disadvantage during assessments. If this applies to you make sure you tell your training provider who can make an application for a reasonable adjustment to EUIAS on your behalf.



Your EPA Journey in a Diagram

The diagram below illustrates the order of your EPA **journey** from the day you register to your final certification:





*For further details refer to Section 3 of this Apprentice Guide Section or 2 of the Specification



Section 3: End-point Assessment Components

Now let us continue your journey through EPA. There are 3 components that you must pass to be awarded a certificate.

Component 1: Observation with Questions

Overview

An observation with questions involves an independent assessor, appointed by EUIAS observing and questioning you undertaking work as part of your normal duties, in your workplace. The task(s) must be capable of being completed by a competent Water Process Operative.

Step-by-Step Guide



The table below provides a step-by-step guide on how the Observation with Questions will be carried out:

Structure of your practical assessment	 The total assessment time is 4 hours for completing work as part of your normal duties, in your workplace. The observation may be split into discrete sections held on the same working day Where breaks occur, the clock will be paused. The assessment time is not reduced
Where will the assessment take place?	 Your employer's premises The questioning must take place in a quiet room.
What knowledge, skills, and behaviours (KSBs) do I have to demonstrate during the Observation	Knowledge, Skills, and Behaviours: Core Knowledge K3 Policy and procedures: operating manual, safety, emergencies, security, isolation – their purpose. K5 Dynamic risk assessments. K8 First line operational maintenance: different types - cleaning, greasing, and washing, removing debris and clearing blockages.



with Questions?

K9 Maintenance tools and equipment: rakes, spades, pressure washers, brushes, spanners.

K10 Telemetry and monitoring processes; monitoring variables including flow, quality, turbidity (particles), chemical usage. Limits, consequences of being outside limits.

Specialist Knowledge for Clean Water Process Operative

K20 Clean water sampling requirements: different types of samples, sample points, storage, labelling, safe disposal, recording results, permits and consent parameters.

Specialist Knowledge for Wastewater Process Operative

K31 Wastewater sampling requirements: different types of samples, sample points, storage, labelling, safe disposal, recording results, permits and consent parameters.

Core Skills

- **S1** Organise and prioritise work.
- **S2** Identify risks and control measures.
- **S3** Follow health and safety and environmental legislation, regulations and practice. For example, apply control measures, wear PPE, harness, gas detector and breathing apparatus required for the task.
- **S4** Read and interpret information/data.
- **S6** Undertake sensory analysis.
- **S7** Use measuring equipment.
- **S9** Determine action and follow procedure.
- **\$10** Undertake first line operational maintenance of assets.
- **\$11** Select and use tools and equipment; check/calibrate equipment.
- **\$12** Undertake first line maintenance of tools and equipment, for example cleaning.
- **\$13** Store tools and equipment.



S14 Maintain housekeeping: tidy, segregate and dispose of waste.

\$15 Prepare and use chemicals.

\$18 Communicate – verbal.

\$19 Use technology.

\$20 Record information/complete documentation.

Specialist role skills for Clean Water Process Operative

S21 Take clean water sample; process.

\$22 Operate clean water treatment work assets.

S23 Apply clean water treatment processes.

Specialist role skills for Waste Water Process Operative

S24 Take wastewater sample; process.

\$25 Operate wastewater treatment work assets.

S26 Apply wastewater treatment processes.

Core Behaviours

B1 Prioritises on health, safety and environment for example, challenges unsafe practice, says 'no' where action could have negative impact.

B2 Takes responsibility for work for example, completes allocated work, takes proactive approach, knows own limitations and asks for help where required.

B3 Professional for example, ethical – does the right thing, trustworthy; presents positive image of self and company – work attire worn, polite and respectful.

For amplification and guidance refer to the WPO Specification:

EUIAS-EPA-Water-Process-Operative Complete new-1.pdf



What tasks will I have to cover?	The task(s) must allow you to undertake the activities required for a practical observation. For further details refer to 'Knowledge, Skills and Behaviours (KSBs) Coverage' in the specification, refer to link above.	
What resources can I	Equipment and resources needed for the observation will be:provided by your employer	
use?	 the tools, equipment and PPE required for the job 	
	in good and safe working condition	
	Relevant work instructions/manuals must be available in hard copy or electronically.	
How many	The independent assessor:	
questions will I be asked?	 will ask questions in relation to underpinning knowledge or where an opportunity to observe you completing an activity has not naturally occurred 	
	 may ask questions to follow up to seek clarification from you 	
Who will assess me?	An independent assessor, appointed by EUIAS.	
Provisional	The independent assessor will award a provisional grade. You	
Grading	must pass ALL the pass criteria in order to achieve a pass.	
Overall grading for this	Fail, Pass or Distinction.	
component		

Practice Component 1: Observation with Questions

You should have an opportunity to have a practice practical assessment which mirrors the real assessment. A practice practical would be set up for you using the structure in the table above by your employer or training provider.



Component 2: Interview based on Portfolio of Evidence

Overview

The interview is based on your portfolio of evidence. It is to allow you to demonstrate how you have met the KSBs in order to carry out your occupational role as a Water Process Operative effectively and safely. The interview allows for testing of responses where there are a range of potential answers that cannot be tested through the multiple-choice test.



Step-by-Step Guide

The table below provides a step-by-step guide on how the interview based on the portfolio of evidence will be carried out:

Who will	1 independent assessor, appointed by EUIAS will assess you		
assess me?	under examination conditions.		
How will the	Locations: Your interview will take place at your employer's		
interview be	premises or a suitable venue.		
organised?	Time: Your interview will be 1 hour –		
	However, the independent assessor has the option to		
	increase the time of your interview by up to 10%, to allow		
	you to complete your last answer.		
	Your interview will be:		
	a discussion between you and the independent assessor		
	face to face or remote, as agreed		
	 assessed and outcomes will be recorded by the assessor on official EUIAS interview documents 		
	recorded using the relevant technology such as Microsoft Toams or an audio recording device.		
	Teams or an audio recording device.		
	You will have access to your portfolio of evidence throughout the		
	interview.		
What topics	The questions you will be asked will cover the following topics:		
will I have to			
cover?	water process operative role		
	chemicals: delivery and storage		
	identifying trends		



	 fault-finding stock team player customer focus specialism operating parameters specialism treatment work assets and equipment; consequences of asset failure on specialism water process The specialism is determined by the option taken by you: clean
	water or waste water. For amplification and guidance refer to the WPO Specification:
	EUIAS-EPA-Water-Process-Operative Complete new-1.pdf
How many questions will I be asked?	 A minimum of 9 questions (based on the above topics) Set questions which maybe contextualised to the contents of your portfolio Follow-up questions in order to seek clarification
Provisional	The independent assessor will award a provisional grade. You
Grading	must pass ALL the pass criteria in order to achieve a pass.
Overall grading for this component	Fail, Pass or Distinction

Portfolio of Evidence Requirements

The requirements are as follows:

Portfolio Mapping Document

You must map your portfolio of evidence to the KSBs covered by the interview. You must include a mapping document at the front of your portfolio that clearly references the location of the evidence in your portfolio.

For further guidance on how to map refer to:



- Section below 'How do I organise my portfolio of evidence and map it to the mapping document?'
- WPO Specification Section 5: Guidance on portfolio of evidence and apprentice mapping
- Apprentice Guide Appendix B for the portfolio mapping document

How do I organise my portfolio of evidence and map it to the mapping document?

Step-by-Step Guide

You must include a portfolio mapping document and place it at the front of your portfolio, see table above for guidance and where to locate the portfolio mapping document.

Your portfolio is not assessed. It serves two purposes:

- The independent assessor reviews your portfolio before the interview to help focus and contextualise their questions
- You should carefully prepare, index and map your portfolio as this will further support you during your interview. Your organised portfolio will allow you with ease to refer to examples and discuss the evidence with the independent assessor



What should I include in my portfolio?

Quality vs quantity

You should be supported in selecting and mapping evidence for your portfolio by your employer or training provider.

We would advise you to choose the best pieces of evidence and map them to each KSB which will be covered during your interview. To be confident of meeting the KSB, you should aim to have two/three pieces of evidence mapped to each KSB.

Examples of acceptable evidence:

- that is mapped against the relevant KSBs that will be assessed by the interview
- workplace documentation/records, for example job task sheets/job card/times sheets, equipment maintenance /service records related to the apprentice
- witness statements signed and dated by coaches/trainers



- any employer contributions should focus only on direct observation of evidence (for example witness statements) rather than opinions
- annotated photographs/diagrams
- video clips (maximum total duration 10-minutes); the apprentices must be in a view and identifiable

The above is not a definitive list. You can include other relevant evidence sources.



You must not include in your portfolio any methods of self-assessment.

Evidence must be:

- produced by you (authentic)
- relevant to the standard (K, S or B) that it is mapped to
- produced during the time you were carrying out your on-programme training

What can I do to prepare for the interview?

You should:

- be familiar with the structure of your portfolio
- know the KSBs covered by the interview
- know where you have mapped your KSBs by referring to your portfolio mapping document
- ensure there is quality evidence to cover every KSB in the interview
- practise mapping evidence and completing the evidence mapping grid
- know how you will be graded

The role of your employer or training provider

Employers or training providers are expected to support you in preparing your portfolio by:

- clarifying responsibility for supporting you in selecting and mapping evidence for your portfolio, including the role of employer coaches/mentors where applicable
- advising you on which pieces of evidence you should select to ensure that when it is looked at as a whole, your evidence provides coverage of all the required elements of the standard (KSBs) assessed in the interview



- supporting the mapping of your evidence and production of your mapping document
- authenticating evidence you provide is valid
- signing off your portfolio
- submitting your portfolio to EUIAS as part of Gateway

Practice Component 2: Interview based on Portfolio of Evidence

You should have an opportunity to have a practice interview which mirrors the real assessment. The practice interview based on your portfolio of evidence would be set up using the structure in the table above by your employer or training provider.



Component 3: Multiple-choice Test

Overview

The multiple-choice test is paper based. You will have 60 minutes to complete the test. The test consists of 40 questions.

The multiple-choice questions will have four possible answers of which one will be correct.



Step-by-Step Guide

The table below provides a step-by-step guide on how the multiple-choice test will be carried out:

carried out:				
Who will start and finish your multiple- choice test?	You will sit your multiple-choice test in the presence of an invigilator.			
How will the	Here	Here is an example of how the question will appear:		
question				
appear?	Que	estion 1		
	In a	workplace, who is responsible for maintaining health and		
	safety?			
	Pos	Possible answers		
	a)	Employers		
	b)	Safety managers		
	c)	Most senior person on-site		
	d)	Everyone		
	You must select one answer that you think is correct. You will be provided with an answer sheet where you will be expected to shade in the answer you have selected. Here is an example:			



	ENERGY & UTILITIES INDEPENDENT ASSESSMENT SERVICE			
	Candidate ID Surname Forename Exam Date Centre Name Centre Number MARKING INSTRUCTIONS			
Can I take any resources into the exam room?	The test is closed which means that you cannot refer to reference books or any other materials. You will be provided with stationery on the day. A (scientific) calculator is required for the test.			
Can I have access to the internet?	No access to the internet is allowed and this means you must not take your SMART watch into the exam room.			
How will the multiple-choice test be organised for me?	 Locations: Your multiple-choice test will take place at your employer's or training provider's premises or a suitable venue. You will take the test in a quiet space and in the presence of an invigilator Your test will be scheduled by your employer or training provider with the EUIAS If you fail the multiple-choice test, you can re-sit or re-take the failed test at your employer's discretion. There are no limits to the number of re-sits or re-takes you can take but it is important to revise and ensure that you are confident with the knowledge you are being tested on 			



What criteria will I have to learn?

AND

How many questions will be asked on each criterion?

The multiple-choice test questions are knowledge based and sample the 3 core knowledge criteria. Below is a list of the knowledge criteria, assessed in the multiple-choice test along with the range of questions that will be allocated to a multiple-choice test paper:

Number of Questions	Knowledge
	Core Knowledge
3-4	K1 The water industry: the water cycle and key stakeholders: Regulators (Drinking Water Inspectorate (DWI), Water Services Regulation Authority (OFWAT), Environment Agency (EA) and Health & Safety Executive (HSE), customers; Customer Experience Measure (CMEX).
3-4	K4 Health and safety legislation/regulations: Health & Safety at Work, Control of Substances Hazardous to Health (COSHH), manual handling, working in confined spaces, working at height, lone worker.
3-4	K6 Health and safety equipment: Personal Protective Equipment (PPE), Harnesses, gas detectors and breathing apparatus. Their purpose, checking and storage requirements.
3-4	K7 Environmental legislation and practice. Environmental Protection Act - safe disposal of waste.
3-4	K13 Calculations: dilutions/concentrations, flows, conversions.
	Specialist knowledge for clean water process operative role
3-4	K14 Different clean water treatment processes and purpose.



3-4	K18 Different types of water sources.
3-5	K19 Water usage diurnal (daily) profile and impact of bursts; water cycle, flooding, drought, industries.
3-5	K21 Chemicals used in clean water process: chlorine, coagulants, disinfectant chemicals, pH correction, orthophosphoric acid, hexafluorisilic acid polymers, ozone; their use, dosage and health and safety risks.
3-4	K22 Water as a food source – importance of wholesomeness, why it is treated.
3-4	K23 Clean water principles/procedures; Water Hygiene – Blue Card, Leptospirosis Card (Weil's disease).
3-4	K24 Clean water equipment: testing, cleaning, segregation, disinfection process and hygienic storage requirements.
	Specialist knowledge for wastewater process operative role
2-4	K25 Different types of waste water treatment processes and purpose. Preliminary, Primary, secondary, tertiary, and sludge.
2-4	K29 Different types of waste: domestic, tanker, trade.
2-4	K30 Flow: volumes, permits, catchment area consent and impact of weather conditions.
2-4	consent and impact of weather conditions.
	consent and impact of weather conditions. K32 Chemicals used in waste water process: Nutriox, Ferric, Chloride, Sulphate, Ferris Chloride,



2-4	K35 Sludge tank monitoring requirements and dry
	solids.

2-4 K36 Health hazards from working with wastewater.



Remember the questions have been written to reflect the Water Process Operative role as a whole and are not focussed on specific plant, machinery, or employer-specific processes. For amplification and guidance refer to Section 3 of the WPO Specification.

What should I do to prepare for the multiple-choice test?

You should be prepared to:

- revise the criteria listed above
- ask your employer or training provider for additional questions that they have prepared to support you
- attend the multiple-choice test which will last 60 minutes



While on-programme, the employer or training provider must ensure you are:

- familiar with all areas assessed by the multiplechoice test as listed above
- supported in completing a practice test and provide you with constructive feedback to enable you to identify areas you need to carry out further revision in



Practice Component 3: Multiple-choice test



You should have an opportunity to have a practice multiple-choice test which mirrors the real assessment. The practice multiple-choice test would be set up using the structure in the table above by your employer or training provider. The feedback provided will assist you with preparing for the actual multiple-choice test.

Overall grading

All assessment components contribute equally to your overall EPA grade.

Grades from individual assessment components will be combined in the following way to determine your overall EPA grade as a whole.

Observation with questions	Interview based on a portfolio of evidence	Multiple-choice test	Overall grading
	Fail in any compone	nt	Fail
Pass	Pass	Pass	Pass
Distinction	Pass	Pass	Pass
Pass	Distinction	Pass	Pass
Distinction	Distinction	Pass	Distinction

Any grade = fail, pass or distinction



Section 4: Resits and retakes

If you fail one or more EPA components you can re-sit or a re-take the failed component at your employer's discretion. Your employer needs to agree that a re-sit or re-take is appropriate. A re-sit does not need further learning, but a re-take does. You should have a supportive action plan to prepare for your re-sit or re-take.

Your employer and EUIAS will agree the timescale for your re-sit or re-take. A re-sit is typically taken within two months of the EPA outcome notification. The timescale for a re-take is dependent on how much re-training is required. It is typically taken within two months of the EPA outcome notification, otherwise the entire EPA will need to be re-sat or re-taken in full, unless in the opinion of the EUIAS exceptional circumstances apply outside the control of you or your employer.

Where any assessment method has to be re-sat or re-taken, you will be awarded a maximum EPA grade of pass, unless EUIAS determines there are exceptional circumstances which required a re-sit or re-take.

All assessment methods must be taken within a six month period, otherwise the entire EPA will need to be re-sat/re-taken.

Re-sits and re-takes will not be offered to you if you wish to move from pass to a higher grade.

The EUIAS resit and re-take policy can be found at: https://www.euias.co.uk/end-point-assessment/policies-and-fees/



Section 5: Appendices

Appendix A: Glossary

Appendix B: Portfolio Mapping Document



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 –mindsets, attitudes or approaches needed for competence. Whilst these can be innate or instinctive, they can also be learnt. Behaviours tend to be very transferable. They may be more similar across occupations than knowledge and skills. For example, team worker, adaptable and professional

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

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

Gateway – the stage of the apprenticeship where the apprentice, employer and trainer determine whether the apprentice is ready to undertake the End-Point Assessment

Independent Assessor – Will holistically assess the knowledge, skills, and behaviours (KSBs) that you have been learnt throughout the apprenticeship. Their role as an Independent Assessor would involve assessing components 1 (Observation with questions) and 2 (interview based on your portfolio of evidence)

Knowledge – the information, technical detail, and 'know-how' that someone needs to have and understand to successfully carry out the duties. Some knowledge will be occupation-specific, whereas some may be more generic

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

Skills – the practical application of knowledge needed to successfully undertake the duties. They are learnt through on and/or off-the-job training or experience



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. The occupational standards are developed by employers for occupations that meet the Institute for Apprenticeships & Technical Education current criteria. For further details refer to:

Water process operative / Institute for Apprenticeships and Technical Education

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



Appendix B: Portfolio Mapping Document

Introduction

Throughout the on-programme part of the apprenticeship, you will need to keep compile a portfolio of evidence to support the requirements of the interview. The evidence within the portfolio will need to be mapped to the KSB requirements using the mapping document overleaf.

The independent assessor will use the mapping document to review the evidence in their portfolio in preparation for the interview. The independent assessor will not assess the portfolio.

The portfolio mapping document below consists of

- 3 pages covering mapping for core requirements
- 1 page covering mapping for the clean water process specialism
- 1 page covering mapping for the waste water process specialism

You should use the mapping for the core and the specialism you are following.

Your next steps

- Complete all the details on the first page and include employer details of where relevant competencies from your experience at work was gained
- Ensure each piece of evidence is signed off by your tutor/supervisor/mentor and lead provider (employer or training provider). You can use a number of different types of evidence to demonstrate your competence as described in Section 6 of the Specification – 'What to include in the portfolio?'. For further guidance, you must seek advice from your tutor/supervisor/mentor and lead provider
- Map evidence to the criteria in the following pages using a referencing system
 indicating where the evidence for the criteria is located in your portfolio e.g.,
 work based evidence Job 1 (J1) page 5 paragraph 2. This will allow the
 independent assessor to locate the section or specific piece of evidence being
 discussed with you during the interview
- Place the portfolio mapping document at the front of the portfolio of evidence
- Your lead provider must make arrangements for EUIAS to have access to your portfolio including the portfolio mapping document at Gateway



Water Process Operator (Core): Portfolio Mapping Document

Mapping Sign off on Portfolio Completion:

Apprentice Name (Print)	Apprentice Signature	Training Provider (Company)	Training Provider Signatory	Date of Sign Off

GROUP 1: (Core) Water Process Operative Role

			PORTFOLIO		
			EVIDENCE		
Ref.	Apprenticeship Standard Criteria	REFERENCE			
			(Apprentice Input)		
			1	2	3
ı	K2	Water process operative role: a) position in structure b) limits of authority c) escalation procedures			

GROUP 2: (Core) Chemicals: Delivery and Storage

				PORTFOLIO		
ı			EVIDENCE		E	
Ref.	Apprenticeship Standard Criteria	REFERENCE				
ı			(Apprentice Input)			
			1	2	3	
	K12	Chemicals: a) delivery requirements b) storage requirements c) permits				
/[limits				



GROUP 3: (Core) Identifying Trends/Fault-finding

	Apprenticeship Standard Criteria	PORTFOLIO EVIDENCE		
Ref.		REFERENCE (Apprentice Input)		
		1	2	3
K11	Water process fault finding techniques a) visual b) flow c) odour d) listening			
S5	Identify trends			
S8	Apply fault finding techniques			

GROUP 4: (Core) Stock

			PORTFOLIO		
		EVIDENCE			
Ref.	Apprenticeship Standard Criteria	REFERENCE			
		(Apprentice Input)			
		1	2	3	
S16	Audit and request chemical and or consumables				
310	stock.				
S17	Check chemical deliveries – quality/content.				

GROUP 5: (Core) Team Player

	Apprenticeship Standard Criteria	PORTFOLIO			
Ref.		EVIDENCE REFERENCE			
I (CI.		(Apprentice Input)			
		1	2	3	
B4	Team player for example, keeps others informed				



GROUP 6: (Core) Customer Focus

Ref.	Apprenticeship Standard Criteria	PORTFOLIO EVIDENCE		
		REFERENCE		CE
		(Apprentice Input)		
		1	2	3
B5	Customer focus for example, polite, courteous			



Water Process Operator (Clean Water): Portfolio Mapping Document

GROUP 7: Clean Water Operating Parameters

Ref.	Apprenticeship Standard Criteria	PORTFOLIO		
		EVIDENCE		
		REFERENCE		
		(Apprentice Input)		
		1	2	3
K15	Clean Water Operating Parameters			
	a) consequences of failure			
	 b) impact of weather conditions on treatment processes. 			

GROUP 8: Clean Water Treatment Work Assets and Equipment; Consequences of Asset Failure on Clean Water Process

Ref.	Apprenticeship Standard Criteria	PORTFOLIO EVIDENCE REFERENCE (Apprentice Input)		
		1	2	3
K16	Clean water treatment work assets and equipment: a) pumps b) pressure vessels c) reservoirs d) tanks e) valves			
K17	Consequence of asset failure on clean water process			



Water Process Operator (Wastewater): Portfolio Mapping Document

GROUP 7: Waste Water Operating Parameters

Ref.	Apprenticeship Standard Criteria	PORTFOLIO		
		EVIDENCE		
		REFERENCE		
		(Apprentice Input)		
		1	2	3
K26	Waste water operating parameters			
	a) consequences of failure			
	 b) impact of weather conditions on treatment processes. 			

GROUP 8: Waste Water Treatment Work Assets and Equipment; Consequences of Asset Failure on Clean Water Process

Ref.	Apprenticeship Standard Criteria	PORTFOLIO EVIDENCE REFERENCE (Apprentice Input)		
		1	2	3
K27	Waste water treatment work assets and equipment: a) primary settlement tanks b) biological filters c) activated sludge plants d) final settlement tank e) digesters (biosolids operators only) f) flow meters g) pumps h) screens			
K28	Consequence of waste water asset failure			



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