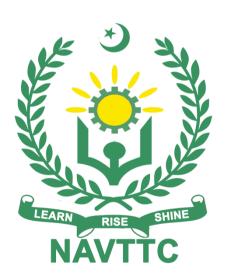
Assessment Evidence Guide

For

"Environmental Technician"

Level-4

Participate In Field Inspection And Investigation
(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code: 0712-EPT-1	Level: 04	Version: 01	
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)				
Competency Standard Title:	Assessment Date (DD/MM/YY):			
 Perform in field inspection and investigation Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 				

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time
	frame (for practical demonstration & assessment):
Guidance for	Assessment Task 1: Perform field inspection as per given instructions and draft inspection report
Candidate	And complete:
	Knowledge assessment test (Written or Oral)
	2. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Prepare for the field survey
NAC at an ana	Performance Criteria 2: Visit and Identify hazards in the field
Minimum Evidence	Performance Criteria 3: Tabulate and orient the data in terms of time, place, and person
Required	Performance Criteria 4: Follow the standard format of inspection report
	Performance Criteria 5: Assist in implementation and evaluation of control and prevention
	measures
	Performance Criteria 6: Generate inspection and investigation report
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name:
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method				Result		
Nature of Activity	Written Oral Observation Portfolio Role Play		Not Yet Competent				
Practical Skill Demonstration			1				
Knowledge Assessment	√	1					
Other Requirement							

Observation Checklist

Assessment Task 1 Description of Assessment Task 1 Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection, using Candidate is required to Prepare draft in after conducting field inspection.					pare draft inspection report
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1.	Prepare for the field survey				
2.	Visit and Identify hazards in the field				
3.	3. Tabulate and orient the data in terms of time, place, and person				
4.	Follow the standard format of inspection	on report			
5.	5. Assist in implementation and evaluation of control and prevention measures				
6.	6. Generate inspection and investigation report				
Competent □		Not Yet Compe	tent 🗆		
Each Assessment Task (with performance criteria)					

Knowledge Assessment

Title of Qualification	ation:	CS Code : 0712-EPT-1	Level: 04	Version: 01				
National Compete	ency Standards Level-4 for							
Environmental Te	echnology "Environmental Technician"							
(Environmental T	echnician)							
Competency Sta	andard Title:	Assessment Date (DD/M	M/YY):					
 Perform in field inspection and investigation Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II Assessment Time: 30 minutes								
Guidance for Candidate	To complete your assessment for the questions on the following pages su		you need to a	nswer the				
Candidate	Name:	Registration/Roll Nur	mber:					
Details	Candidate Signature:							
	COMPETENT	NOT YET COMPETE	ENT 🗆					
Written Assessment	Name of the Assessor:	Assessor's code:						
Outcome								
	Signature of the Assessor:							
	<u> </u>							
,	didate confidently answered questions on the confidently answered questions of the confidence of the c	orrectly and demonstrated u	nderstanding c	f the topics and				
Differentiate between Focus Groups Surveys and Kiosk Survey.								
2. Enlist various the field.	s hazards in							
3. What is invergence report?	3. What is investigation							

ANSWER KEY

Sr.	Answers
1.	A Focus Group is a research technique used to collect data through group interactionA Kiosk Survey is a touchscreen display device placed in various outlets that ask for feedback, often at the point of purchase.
2.	Extreme temperatures, poor air quality, excessive noise and radiation in the workplace can all harm workers, potentially causing respiratory problems, hearing loss and cancer, among other problems.
3.	Investigation report is an official document. This is a document often written, giving details of the findings of investigations being done. These reports can range from formal complaints made by customers addressed to the management, fire investigation report, and any incident report that is necessary to write one.

Assessment Evidence Guide For

"Environmental Technician"

Level-4

Analyse Various Environmental Samples

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code : 0712-EPT-2	Level: 03	Version: 01
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)			
Competency Standard Title:	Assessment Date (DD/MM/YY):		
 Analyze various Environmental Samples Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 			

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):
Guidance for Candidate	Assessment Task 1: Perform the sample tracking and tests on various given samples Assessment Task 2: Generate a sample analysis report And complete: 1. Knowledge assessment test (Written or Oral)
	2. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Identify sample required
Minimum Evidence	Performance Criteria 2: Collect sample in specific container
Required	Performance Criteria 3: Label the samples
	Performance Criteria 4: Select equipment required for test
	Performance Criteria 5: Prepare sample for analysis
	Performance Criteria 6: Identify methods required for specific characterization
	Performance Criteria 7: Conduct desired analysis according to SOPs
	During a practical assessment, under observation by an assessor, you will
	complete:
	Assessment Task 2
	Performance Criteria 1: Collect data from the analysis

Performance Criteria 2: Generate report
Performance Criteria 3: Ensure retention time of report
Portfolios required at the time of assessment (if any) for
· · · · · · · · · · · · · · · · · · ·

Assessors Judgment Guide

Candidate Details	Name:	
Assessment Outcome	COMPETENT NOT YET COMPETE Name of the Assessor: Assessor's code: Signature of the Assessor:	

Assessment Summary (to be filled by the assessor)							
Activity	Method				Result		
Nature of Activity	Written Oral Observation Portfolio Role Play Competent Competent Competent			Not Yet Competent			
Practical Skill Demonstration			1				
Knowledge Assessment	1	1					
Other Requirement							

Observation Checklist

Assess	Description of Candidate is re and tests on va	equired	to Pref	orm of the sample tracking	
During followin	the practical assessment, candidate dering:	monstrated the	Yes	No	Remarks
1.	Identify sample required				
2.	Collect sample in specific container	•			
3.	Label the samples				
4.	Select equipment required for test				
5.	Prepare sample for analysis				
6.	Identify methods required for spec	ific			
0.	characterization				
7.	7. Conduct desired analysis according to SOPs				
Competent □		Not Yet Compe	tent 🗆		
Each A	ssessment Task (with performance crite	eria)			

Asses	sment Task 2	Description of Assessment Task 2 Candidate is required to Generate a sample analysis report			
During following	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
1.	Collect data from the analysis				
2.	Generate report				
3.	3. Ensure retention time of report				
Competent □		Not Yet Compe	tent 🗆		
Each Assessment Task (with performance criteria)					

Knowledge Assessment

Title of Qualification: National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)			CS Code: 0712-EPT- 2 Assessment Date (DD	Level: 03	Version: 01			
 Competency Standard Title: Analyse various Environmental Samples Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 			Assessment Date (DD/MM/11). Assessment Date Time: 30 minutes					
Guidance for Candidate		your assessment to the following pag	or this Competency Standes successfully.	dard, you need	to answer the			
Details			Registration/Roll Number:					
	Candidate S	Signature:						
Written	COMPETEN	IT 🗆	NOT YET COMPETENT					
Assessment	Name of the	Assessor:	Assessor's code:					
Outcome Signature of the Assessor:								
	1							
	didate confiden		ons correctly and demonstra	ated understandi	ng of the topics and			
How to prepare sample?								
Enlist method for sample collection?								
3. Define Sample tracking.								

ANSWER KEY

Sr.	Answers
1.	Sample preparation may involve dissolution, extraction, reaction with some chemical species, treatment with a chelating agent (e.g., EDTA), masking, filtering, dilution, sub-sampling or many other techniques.
2.	Grab sampling, composite sampling, random sampling and Integrated sampling
3.	Sample tracking helps laboratories know where samples are in the testing process. If additional tests are ordered, sample tracking allows the laboratory to rapidly identify the sample information and any previous testing carried out on the sample

Assessment Evidence Guide

For

"Environmental Technician"

Level-4

Perform Physical, Chemical and Biological Tests on Air, Water and Soil Samples

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification: National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)	CS Code : 0712-EPT-3	Level: 03	Version: 01
 Competency Standard Title: Perform Physical, Chemical and Biological Tests on Air, Water and Soil Samples Apply Occupational Health, Safety and Environmental (OHS&E) Regulations 	Assessment Date (DD/	MM/YY):	

Candidate Details	Name:
	Registration/Roll Number:
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1: Perform physical, chemical and biological tests on provided water sample
Guidance	Assessment Task 2: Perform physical and chemical tests on provided water sample
for Candidate	Assessment Task 3: Perform physical and chemical tests on provided air sample
	And complete:
	1. Knowledge assessment test (Written or Oral)
	2. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
Minimum Evidence Required	Performance Criteria 1: Identify the equipment and reagents required to conduct experiments. Performance Criteria 2: Wear PPEs Performance Criteria 3: Perform experiment to find water pH, turbidity, TDS, TSS, density, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD) etc. Performance Criteria 4: Conduct experiment to find out soil color, texture, structure, particle size, bulk density and soil permeability. Performance Criteria 5: Conduct experiment to measure concentration of different gases in air by union of different gases.
	in air by using different air quality monitors. Performance Criteria 6: Perform tests to measure the concentration of different heavy metals and identify the microorganisms in air/water/soil

Portfolios required at the time of assessment (if any) for
rottonos required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name:
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:

Assessment Summary (to be filled by the assessor)								
Activity			Method	t		Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration			1					
Knowledge Assessment	1	1						
Other Requirement								

Observation Checklist

Asses	sment Task 1	Description of Assessment Task 1 Candidate is required to Perform physical chemical and biological tests on provided sample using OHS&E Regulations			
During following	the practical assessment, candidate den ng:	monstrated the	Yes	No	Remarks
1.	Perform experiment to find water pH, t TSS, density, Chemical Oxygen Dema Biological Oxygen Demand (BOD) etc.	and (COD) and			
2.	Perform experiment to find water pH, turbidity, TDS, TSS, density, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD) etc.				
3.	Perform experiment to find water pH, turbidity, TDS, TSS, density, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD) etc.				
4.	Perform experiment to find water pH, turbidity, TDS,				
5.	Perform experiment to find water pH, turbidity, TDS, TSS, density, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD) etc.				
6.	Perform experiment to find water pH, turbidity, TDS, TSS, density, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD) etc.				
	etent 🗆	Not Yet Compe	tent 🗆		
Each A	Each Assessment Task (with performance criteria)				

Knowledge Assessment

Environmental 7	ation: etency Standards Level-4 for Fechnology "Environmental evironmental Technician)	CS Code : 0712-EPT-3	Level: 03	Version: 01			
on Air, Water • Apply Occi	andard Title: sical, Chemical and Biological Test r and Soil Samples upational Health, Safety and ental (OHS&E) Regulations	s	Assessment Date (DD/MM/YY): Assessment Time: 30 min				
Guidance for Candidate	To complete your assessment f questions on the following page		ard, you need t	o answer the			
Candidate Details	Name:						
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:		:				
Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application) 1. Define (Chemical Oxygen Demand) COD. 2. Define (Biochemical Oxygen Demand) BOD. 3. Differentiate between TSS and TDS. 4. What is meant by PPEs?							

ANSWER KEY

Answer Key

Question No.	Answer
1.	Chemical oxygen demand is the amount of oxygen needed to oxidize the organic matter present in water. Chemical oxygen demand testing is used to determine the amount of oxidation that will occur and the amount of organic matter in a water sample. Chemical oxygen demand testing is also used to determine the amount of inorganic chemicals in a sample.
2.	Biochemical oxygen demand is the amount of oxygen consumed by bacteria and other microorganisms while they decompose organic matter under aerobic conditions.
3.	TSS is measured by weighing the dried material on the filter. TDS is defined as the portion of organic and inorganic solids passing through the same filter
4.	Personal protective equipment is a range of standardized gears worn to reduce chances and minimize the impact of injury causing situations while on the line of duty.

Assessment Evidence Guide

For

"Environmental Technician"

Level-4
Operate various
Environmental Equipment

(Formative Assessment)



National Vocational & Technical

Training Commission

Instruction Sheet for the Candidate

Title of Qualification: National Competency Standards Level-4 for	CS Code : 0712-EPT-4:	Level: 03	Version: 01
Environmental Technology "Environmental Technician" (Environmental Technician)			
Competency Standard Title:	Assessment Date (DD/MN	I/YY):	
 Operate various Environmental Equipment Apply Occupational Health, Safety and Environmental (OHS&E) Regulations 			

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time
	frame (for practical demonstration & assessment):
	Assessment Task 1: Prepare a presentation using MS PowerPoint, including: Brief
	details of the equipment used for Biological, Chemical and Physical Quality
Guidance	Parameters with Pictures.
for Candidate	Assessment Task 2: Perform Calibration of pH Meter with appropriate Buffer
	Assessment Task 3: Perform Acid base Titration on given sample
	And complete:
	3. Knowledge assessment test (Written or Oral)
	4. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
Minimum	Assessment Task 1
Evidence	Performance Criteria 1: Prepare a presentation using MS PowerPoint, including: Brief details of the
Required	equipment used for Biological, Chemical and Physical Quality Parameters with Pictures.
	Assessment Task 2
	Performance Criteria 1: Check performance of the equipment before use
	Performance Criteria 2: Follow Original Equipment Manufacturer (OEM) guidelines
	Performance Criteria 3: Ensure the calibration of equipment
	Assessment Task 3

Performance Criteria 1: Use PPEs to ensure safety
Performance Criteria 2: Follow the safety guidelines associated with equipment
Performance Criteria 3: Disinfect the glassware/equipment as per requirement
Performance Criteria 4: Ensure the calibration of equipment
Performance Criteria 5: Operate equipment safely for required test/analysis
Performance Criteria 6: Store equipment appropriately after use
Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Ass	Assessment Summary (to be filled by the assessor)						
Activity	Method			Result			
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	1	1					
Other Requirement							

Observation Checklist

Assess	sment Task 1	Description of Assessment Task 1 Prepare a presentation using MS PowerPoint, including: Brief details of the equipment used for Biological, Chemical and Physical Quality Parameters with Pictures.			
During following	the practical assessment, candidate de eg:	monstrated the	Yes	No	Remarks
1.	Prepare a presentation using MS PowerPoint, including: Brief details of the equipment used for Biological, Chemical and Physical Quality Parameters with Pictures				
Compe	tent □	Not Yet Compe	tent 🗆		
Each A	ssessment Task (with performance crite	eria)			

Asses	sment Task 2	Description of Assessment Task 2 Candidate is required to Perform Calibration of pH Meter with appropriate Buffer			form Calibration of pH
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1.	Check performance of the equipment before use				
2.	2. Follow Original Equipment Manufacturer (OEM) guidelines				
3.	3. Ensure the calibration of equipment				
Competent □ Not Yet Comp		Not Yet Compe	tent 🗆		
Each A	Assessment Task (with performance crite	eria)			

Asses	sment Task 3	Description of Assessment Task 3 Candidate is required to perform Acid base Titration on given sample			form Acid base
During followir	the practical assessment, candidate dering:	monstrated the	Yes	No	Remarks
1.	Use PPEs to ensure safety				
2.	2. Follow the safety guidelines associated with equipment				
3.	Disinfect the glassware/equipment as per requirement				
4.	Operate equipment safely f test/analysis	or required			
5.	Store equipment appropriately a	fter use			
Compe	etent 🗆	Not Yet Compe	etent 🗆		
Each A	Assessment Task (with performance crite	eria)			

Knowledge Assessment

Title of Qualifica	ation:	CS Code: 0712-EPT-4	Level: 04	Version: 01	
•	ency Standards Level-4 for echnology "Environmental Technician" echnician)				
Competency Sta	andard Title:	Assessment Date (DD/N	IM/YY):		
 Apply Occup 	ous Environmental Equipment ational Health, Safety and al (OHS&E) Regulations	Assessment Time :			
				1	
Guidance for Candidate	To complete your assessment for the questions on the following pages su		you need to a	inswer the	
Candidate Details	Name: Candidate Signature:	-			
	Jan 1 am 1 g am 1				
Mritton	COMPETENT [NOT YET COMPET	ENT 🗆		
Written Assessment	Name of the Assessor:	Assessor's code:			
Outcome	Signature of the Assessor:				
	I				
,	didate confidently answered questions on the confidently answered questions of the confident to the confidence of the confident to the confidence of the con	correctly and demonstrated u	ınderstanding	of the topics and	
Define the te equipment.	rm				
2. Enlist two eq each water, s analysis.					
3. Define autoc explain its wo					

ANSWER KEY

Sr.	Answers
1.	A tool can be any item that is used to achieve a goal. Equipment usually denotes a set of tools that are used to achieve a specific objective. A tool can be non-mechanical as well. However, when one says equipment, there is a certain mechanical aspect to it that cannot be ignored
2.	 For water analysis: pH meter, Spectrophotometer, Conductivity meter, Turbidity meter etc. For air quality analysis: CO₂/CO meter, SO_x meter, NO_x meter. Etc. For soil analysis: Sieves, hand auger, etc.
3.	An autoclave is an apparatus in which special conditions (such as high or low pressure or temperature) can be established for a variety of applications especially: an apparatus (as for sterilizing) using steam under high pressure.

Assessment Evidence Guide

For

"Environmental Technician"

Level-4

Inspect and Maintain Equipment

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code: 0712-EPT-5	Level: 03	Version: 01
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)			
Competency Standard Title:	Assessment Date (DD/I	MM/YY):	
 Inspect and maintain equipment Apply Occupational Health, Safety and Environmental (OHS&E) Regulations 			

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):
Guidance	Assessment Task 1: Candidate is required to detect a Minor or Major faults in given equipment and prepare a report
for Candidate	Assessment Task 2: Calibrate given equipment and write down the Standard Operating Procedures
	And complete: Knowledge assessment test (Written or Oral)
	Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will
	complete:
	Assessment Task 1
	Performance Criteria 1: Identify the equipment and use relevant PPEs
	.Performance Criteria 2: Identify equipment issues through inspections according to
Minimum	standard operating procedure
Evidence Required	Performance Criteria 3: Detect damage and separate the faulty equipment
·	Performance Criteria 4: Determine the level of calibration by Comparing equipment
	measurement with a known value
	Performance Criteria 5: Identify any minor and major faults in equipment and repair minor faults
	Performance Criteria 6: Conduct cleaning of equipment
	Performance Criteria 7: Lubricate moving parts to reduce friction
	Performance Criteria 8: Adjust controls for optimal performance and energy efficiency
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Assessment Summary (to be filled by the assessor)								
Activity	Method					Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent Not Yet Competent		
Practical Skill Demonstration			/					
Knowledge Assessment	1	1						
Other Requirement								

Observation Checklist

Assessment Task 1 Description of Assessment Task 1 Candidate is required to Perform maintenance or given faulty equipment and prepare maintenance						
During the practical assessment, candidate demonstrated the following:				No	Remarks	
1.	Identify the equipment and use relevant	nt PPEs.				
2.	Identify equipment issues through inspace according to standard operating proce					
3.	Detect damage and separate the fault					
4.	Determine the level of calibration by Comparing equipment measurement with a known value					
5.	Identify any minor and major faults in equipment and					
6.	Conduct cleaning of equipment					
7.	Lubricate moving parts to reduce friction					
8. Adjust controls for optimal performance and energy efficiency						
Compe	Competent □ Not Yet Compe					
Each A	Each Assessment Task (with performance criteria)					

Knowledge Assessment

Title of Qualification:			CS Code: 0712-EPT- Level: 03 Version: 01					
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)		5						
Competency Sta	andard Title:		Assessment Date (DD	P/MM/YY):				
Inspect and maintain equipment Apply Occupational Health, Safety and Environmental (OHS&E) Regulations			Assessment Date Time: 30 minutes					
Guidance for Candidate		your assessment for the following pages	r this Competency Stands successfully.	dard, you need to	answer the			
Candidate Name: Registration/Roll Number: Details								
Candidate Signature:								
COMPETENT NOT YET COMPETENT Written								
Assessment Outcome	Name of the Signature of		Assessor's cod	le:				
	_							
	1							
`	didate confider	•	s correctly and demonstra	ated understanding	g of the topics and			
4. Importance of Preventive and Corrective Measures for								
between ref	5. What is the difference between reference standard and working							
	6. Define the term							
7. Describe the	7. Describe the purpose of lubrication.							

ANSWER KEY

Sr.	Answers
1.	Corrective action and preventive action help the company to improve the competitive situation by reducing operational costs saving time and ensuring compliance.
2.	Reference standards are of higher quality or precision and we use these standards very little whereas working standards are of lower precision and we use them in our daily routine.
3.	Calibration is a comparison between a known measurement (the standard) and the measurement using your instrument.
4.	 Reduce friction (rubbing or deformation). Prevent pieces from wear. Absorb/reduce shocks. Protect from corrosion.

Assessment Evidence Guide

For

"Environmental Technician"

Level-4
Manage Waste at Site

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:		CS Code: 0712-EPT-7	Level: 04	Version: 01
National Competency Star Environmental Technology Technician" (Environmenta	"Environmental			
Competency Standard Title:		Assessment Date (DD/	MM/YY):	
Manage Waste at SiteApply Occupational He Environmental (OHS&				

Candidate Details	Name:
	Registration/Roll Number:
	During a practical assessment, under observation by an assessor, you will complete:
Guidance	Assessment Task 1: Apply waste management techniques for different categories of waste using OHS&E regulations
for Candidate	
	And complete: Knowledge assessment test (Written or Oral)
	Portfolios at the time of assessment (if any)
	Assessment Task 1
	Performance Criteria 1: Follow organization health & safety policy & procedures
	Performance Criteria 2: Use relevant PPEs
	Performance Criteria 3: Follow local & international environmental regulations according to defined
Minimum	procedures
Evidence Required	Performance Criteria 4: Segregate waste on the basis of classification
rtoquirou	Performance Criteria 5: Use different containers for each category of waste
	Performance Criteria 6: Label each container for relevant waste category
	Performance Criteria 7: Implement 3R's waste management technique
	Performance Criteria 8: Dispose-off waste according to SOPs
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Assessment Summary (to be filled by the assessor)								
Activity	Method					Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent Not Yet Competent		
Practical Skill Demonstration			✓					
Knowledge Assessment	1	1						
Other Requirement								

Observation Checklist

Candidate techniques		Candidate is re	equired differer	Assessment Task 1 puired to apply waste management ifferent categories of waste using ons.		
During following	the practical assessment, candidate deng:	monstrated the	Yes	No	Remarks	
1.	Follow organization health & safety policy & procedures					
2.	Use relevant PPEs					
3.	Follow local & international environmental regulations according to defined procedures					
4.	Segregate waste on the basis of classification					
5.	Use different containers for each categ	gory of waste				
6.	Label each container for relevant wast	e category				
7.	Implement 3R's waste management technique					
8.	Dispose-off waste according to SOPs					
Competent □ Not		Not Yet Compe	tent 🗆			
Each Assessment Task (with performance criteria)						

Knowledge Assessment

Title of Qualifica	ency Standards Level-4 for	CS Code: 0712-EPT-7	Level: 04	Version: 01			
	echnology "Environmental Technician"						
Competency Sta	andard Title:	Assessment Date (DD	D/MM/YY):				
Manage Was	ete at Site						
	ational Health, Safety and al (OHS&E) Regulations	Assessment Time: 30	minutes				
Guidance for	To complete your assessment for th	is Competency Standa	rd you need to a	inswer the			
Candidate	questions on the following pages su		iu, you need to a	illswei tile			
Candidate	Name:						
Details	Candidate Signature:						
NA/ City	COMPETENT NOT YET COMPETENT						
Written Assessment	Name of the Assessor: Assessor's code:						
Outcome	Signature of the						
	Assessor:						
	1						
,	didate confidently answered questions on the confidently answered questions of the confident confidence of the confidenc	orrectly and demonstrate	ed understanding	of the topics and			
Explain 3R's Waste management technique.							
Describe various Types of waste.							
Difference between waste and contamination.							
4. What are the effects of waste on environment?							

Answer Key

Question No.	Answer
1.	 Reduce means to cut back on the amount of trash we generate. Reuse means to find new ways to use things that otherwise would have been thrown out. Recycle means to turn something old and useless (like plastic milk jugs) into something new and useful (like picnic benches, playground equipment and recycling bins).
2.	 Sources of waste can be broadly classified into five types: Liquid Waste. Liquid waste includes dirty water, wash water, organic liquids, waste detergents and sometimes rainwater. Solid Rubbish. Solid rubbish includes a large variety of items that may be found in households or commercial locations. Organic Waste. Recyclable Rubbish. Hazardous Waste
3.	 Waste: Waste is any substance which is discarded after primary use, or is worthless, defective and of no use. A by-product by contrast is a joint product of relatively minor economic value. A waste product may become a by-product, joint product or resource through an invention that raises a waste product's value above zero. Contamination: Contamination is the presence of a constituent, impurity, or some other undesirable element that spoils, corrupts, infects, makes unfit, or makes inferior a material, physical body, natural environment, workplace, etc.
4.	Poor waste management contributes to climate change and air pollution, and directly affects many ecosystems and species. Landfills, considered the last resort in the waste hierarchy, release methane, a very powerful greenhouse gas linked to climate change.

Assessment Evidence Guide

For

"Environmental
Technician"
Act as a Liaison Between Operational
Staff And Management

Level-4

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code: 0712-EPT-8	Level: 04	Version: 01		
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)					
Competency Standard Title:	Assessment Date (DD/MM/YY):				
 Act as a liaison between Operational Staff and Management Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 					

Candidate Details	Name:
	Destruction / Dell Montage
	Registration/Roll Number:
	During a practical assessment, under observation by an assessor, you will complete:
Guidance for Candidate	Assessment Task 1: Play a role of technician to act as a bridge between senior and junior staff under the given scenario (provided by the assessor)
	And complete:
	Knowledge assessment test (Written or Oral)
	Portfolios at the time of assessment (if any)
	Assessment Task 1
	Performance Criteria 1: Use team communication channels
	Performance Criteria 2: Communicate effectively to reduce uncertainty
	Performance Criteria 3: Discuss the meeting agenda with the supervisor
Minimum	Performance Criteria 4: Conduct a meeting with junior staff and supervisor for discussing all issues
Evidence	Performance Criteria 5: Ensure role clarity
Required	Performance Criteria 6: Communicate purpose of meeting with team
required	Performance Criteria 7: Record minutes of meeting
	Performance Criteria 8: provide appropriate resources
	Performance Criteria 9: Ensure participation of junior staff in organizational tasks
	Performance Criteria 10: Monitor workloads
	Performance Criteria 11: Communicate feedback
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Assessment Summary (to be filled by the assessor)							
Activity	Method				Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			/				
Knowledge Assessment	1	1					
Other Requirement							

Observation Checklist

			equired een se	to play nior an	a role of technician to act digital discription is a role of technician to act
During followir	the practical assessment, candidate deng:	monstrated the	Yes	No	Remarks
1.	Use team communication channels				
2.	Communicate effectively to reduce und	certainty			
3.	Discuss the meeting agenda with the s	supervisor			
4.	Conduct a meeting with junior staff and supervisor for discussing all issues				
5.	Ensure role clarity				
6.	Communicate purpose of meeting with	team			
7.	Record minutes of meeting				
8.	provide appropriate resources				
9.	Ensure participation of junior staff in organizational tasks				
10.	Monitor workloads				
11.	11. Communicate feedback				
Competent □		Not Yet Competent □			
Each Assessment Task (with performance criteri		eria)			

Knowledge Assessment

Title of Qualifica	ation:	CS Code: 0712-EPT-	Level: 04	Version: 01		
	ency Standards Level-4 for echnology "Environmental Technician" echnician)	8				
Competency Sta	andard Title:	Assessment Date (DD	/MM/YY):	1		
 Act as a liaison between Operational Staff and Management Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 		Assessment Time: 30 minutes				
Guidance for Candidate	To complete your assessment for the questions on the following pages su		rd, you need to	answer the		
Candidate Name: Details Candidate Signature:		•				
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:					
,	didate confidently answered questions on the confication)	correctly and demonstrate	ed understanding	of the topics and		
Define the term communication.						
2. Enlist 7C's of communication.						
3. Define the term active listening.						
4. Describe the of team comr an organizati	munication in					

Answer Key

Question No.	Answer
1.	A process by which information is exchanged between individuals through a common system of symbols, signs, or behaviors. Communication is also an exchange of information.
2.	The seven Cs are: 1. Clarity 2. Correctness 3. Conciseness 4. Courtesy 5. Concreteness 6. Consideration 7. Completeness
3.	Active listening is a way of listening and responding to another person that improves mutual understanding.
4.	It makes sense that a group that enjoys each other's company is more likely to come together to work toward a common goal

Assessment Evidence Guide

For

"Environmental Technician"

Assist the Supervisor in Cost Analysis
Related to Operations and Maintenance

Level-4

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code: 0712-EPT-9	Level: 03	Version: 01	
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)				
Competency Standard Title:	Assessment Date (DD/MM/YY):			
 Assist the Supervisor in Cost Analysis related to Operations and Maintenance Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 				

Candidate	Name:
Details	Registration/Roll Number:
	During a practical assessment, under observation by an assessor, you will complete:
Guidance	Assessment Task 1: Perform cost analysis of operational and maintenance activities
for	And complete:
Candidate	Knowledge assessment test (Written or Oral)
	Portfolios at the time of assessment (if any)
	Assessment Task 1
	Performance Criteria 1: Enlist the operational and maintenance activities
Minimum	Performance Criteria 2: Identify and estimate costs and benefits of operational and maintenance
Evidence	activities
Required	Performance Criteria 3: Compile the data for maintenance and operational cost analysis
	Performance Criteria 4: Assign monetary value to each cost and benefit
	Performance Criteria 5: Compare costs and benefits (i.e. find out cost to benefit ratio)
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Assessment Summary (to be filled by the assessor)							
Activity	Method		Result				
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	1	1					
Other Requirement							

Observation Checklist

Assess	sment Task 1	Description of Assessment Task 1 Candidate is required to play a role of technician to act as bridge between senior and junior staff under the given scenario (provided by the assessor)				
During the practical assessment, candidate demonstrated the following:		monstrated the	Yes	No	Remarks	
1.	Enlist the operational and maintenance activities					
2.	Identify and estimate costs and benefit operational and maintenance activities					
3.	Compile the data for maintenance and cost analysis	operational				
4.	Assign monetary value to each cost an	nd benefit				
5.	5. Compare costs and benefits (i.e. find out cost to benefit ratio)					
Competent □		Not Yet Compe	tent 🗆			
Each Assessment Task (with performance criteria)						

Knowledge Assessment

Title of Qualifica	ation:	CS Code : 0712-EPT-	Level: 04	Version: 01			
National Compet	ency Standards Level-4 for	9					
	echnology "Environmental Technician"						
(Environmental T	echnician)						
Competency Sta	andard Title:	Assessment Date (DD	D/MM/YY):				
 Assist the Su Operations a Apply Occup Environment Observe Wo 							
Guidance for Candidate	To complete your assessment for the questions on the following pages su		ırd, you need to	answer the			
Candidate	Name:	Registration/Roll	Number:				
Details	Candidate Signature:						
	COMPETENT [NOT YET COMF	PETENT				
Written Assessment	Name of the Assessor:	Assessor's code	:				
Outcome	Signature of the Assessor:						
,	didate confidently answered questions on their application)	correctly and demonstrate	ed understandin	g of the topics and			
Enlist any twa activities.	o operational						
2. Define cost benefit analysis.							
3. Enlist difference evaluation m							

Answer Key

Question No.	Answer
1.	Manufacturing, distributing, marketing, testing and selling a product or service.
2.	 A cost-benefit analysis is the process of comparing the projected or estimated costs and benefits (or opportunities) associated with a project decision to determine whether it makes sense from a business perspective.
3.	Following are some methods for cost evaluation • BCA: benefit-cost analysis,
	CEA: cost-effectiveness analysis.

Assessment Evidence Guide

For

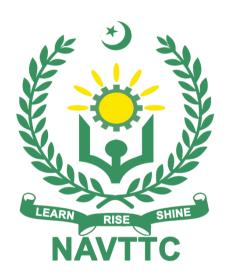
"Environmental Technician"

Assist in Regulatory Compliance and Other

Duties

Level-4

(Formative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification: National Competency Standards Level-4 for Environmental Technology (Environmental Technician)	CS Code: 0712-EPT-10	Level: 03	Version: 01		
Competency Standard Title:	Assessment Date (DD/MM/YY):				
 Assist in Regulatory Compliance and other Duties Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II 					

Candidate Details	Name:					
	Registration/Roll Number:					
	During a practical assessment, under observation by an assessor, you will complete:					
Guidance	Assessment Task 1: Document the compliance process scenario given by the assessor					
for	And complete:					
Candidate	Knowledge assessment test (Written or Oral)					
	Portfolios at the time of assessment (if any)					
	Assessment Task 1					
	Performance Criteria 1: Identify applicable national regulations					
	Performance Criteria 2: Stay updated with changing laws and regulations					
Minimum	Performance Criteria 3: Follow SOPs for all procedures					
Evidence Required	Performance Criteria 4: Gather relevant data for documentation of compliance					
i toquilou	Performance Criteria 5: Keep record for compliance					
	Performance Criteria 6: Use software to store data electronically					
	Performance Criteria 7: Follow retention time of record keeping					
	Portfolios required at the time of assessment (if any) for					

Assessors Judgment Guide

Candidate Details	Name:	
Assessment Outcome	COMPETENT NOT YET COMPETE Name of the Assessor: Assessor's code: Signature of the Assessor:	

Assessment Summary (to be filled by the assessor)								
Activity		Method				Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration			1					
Knowledge Assessment	✓	✓						
Other Requirement								

Observation Checklist

Asses	sment Task 1	Candidate is re	Description of Assessment Task 1 Candidate is required to prepare a draft for compliance process by following applicable regulations.				
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks		
1.	Identify applicable national regulations						
2.	Stay updated with changing laws and regulations						
3.	Follow SOPs for all procedures						
4.	4. Gather relevant data for documentation of compliance						
5.	Keep record for compliance						
6.	Use software to store data electronically						
7.	7. Follow retention time of record keeping						
Competent □		Not Yet Compe	tent 🗆				
Each A	Assessment Task (with performance crite	eria)					

Knowledge Assessment

Title of Occality		00.0-1-0740.557	11 00	Manatan 64		
Title of Qualifica	ation:	CS Code: 0712-EPT-	Level: 03	Version: 01		
	ency Standards Level-4 for echnology (Environmental Technician)	10				
Competency Sta	andard Title:	Assessment Date (DD	/MM/YY):	1		
 Apply Occup Environment 	ulatory Compliance and other Duties ational Health, Safety and al (OHS&E) Regulations rk Place Ethics-II	Assessment Date Tim	ne: 30 minutes			
Guidance for Candidate To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.						
Candidate Name:						
Dotailo	Candidate Signature:					
Written	COMPETENT NOT YET COMPETENT					
Assessment	Name of the Assessor:	Assessor's code:				
Outcome	Signature of the Assessor:					
,	didate confidently answered questions heir application)	correctly and demonstrate	ed understanding	g of the topics and		
1. Define the term Compliance.						
2. What is the n of an audit?	nain purpose					
3. Differentiate between internal and external audits.						

Answer Key

Question No.	Answer
1.	Compliance means conforming to a rule, such as a specification, policy, standard or law. Ensure compliance means investigating and putting into effect the necessary procedures and mechanisms required to comply with the applicable safety rules, standards, and regulations.
2.	The prime purpose of the audit is to form an opinion on the information in the financial report taken as a whole, and not to identify all possible irregularities. This means that although auditors are on the look-out for signs of potential material fraud, it is not possible to be certain that frauds will be identified.
3.	Internal auditors will examine issues related to company practices and risks, while external auditors examine the records and issue an opinion regarding the statements of the company. Internal audits are conducted throughout the year, while external auditors conduct a single annual audit.

Assessment Evidence Guide

For

"Environmental Technician"

Level-4

(Summative Assessment)



National Vocational & Technical
Training Commission

Instruction Sheet for the Candidate

Title of Qualification:	CS Code:	Level: 04	Version: 01
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)			
Competency Standard Title:	Assessment Date	(DD/MM/YY):	
 Apply Occupational Health, Safety and Environmental (OHS&E) Regulations Observe Work Place Ethics-II Perform field inspection and investigation Analyse various Environmental Samples Perform Physical, Chemical and Biological Tests on Air, Water and Soil Samples Operate various Equipment related to Environmental Technology Inspect and maintain equipment Generate Operational and Maintenance Report Manage Waste at Site Act as a liaison between Operational Staff and Management Assist the Supervisor in Cost Analysis related to Operations and Maintenance Assist in Regulatory Compliance and other Duties 	Assessment Time	e: 5 hours	

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time
	frame (for practical demonstration & assessment):
Guidance for Candidate	Assessment Task 1: The trainee is provided with air/water/soil sample with relevant equipment. Examine its working, perform analysis and prepare relevant reports.
	And complete:
	Knowledge assessment test (Written or Oral)
	2. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
N. dispisor vans	Assessment Task 1
Minimum Evidence	Devicements Criteria 1. Identify hazards and use DDEs to ensure safety
Required	Performance Criteria 1: Identify hazards and use PPEs to ensure safety Performance Criteria 2: Prepare sample for analysis according to SOPs
	Performance Criteria 3: Pretreat the sample, if required
	Performance Criteria 4: Perform the experiment on air/water/soil samples
	Performance Criteria 5: Take readings of the analysis

Performance Criteria 6: Check the safety guidelines associated with equipment

Performance Criteria 7: Ensure that equipment is stored safely after use

Performance Criteria 8: Detect damage or fault in equipment (if any) according to standard operating procedures.

Performance Criteria 9: Repair/replace any defective equipment parts

Performance Criteria 10: Segregate waste on the basis of classification and label the containers for each category of waste

Performance Criteria 11: Use software to store data electronically

Performance Criteria 12: Generate operational report

Performance Criteria 13: Draft the maintenance report

Performance Criteria 14: Get it verified from supervisor

Portfolios required at the time of assessment (if any) for

Performance Criteria 1: File/folder of Perform field inspection and investigation

Performance Criteria 2: File/folder of Analyse various Environmental Samples

Performance Criteria 3: File/folder of Perform Physical, Chemical and Biological Tests on Air, Water and Soil Samples

Performance Criteria 4: File/folder of Operate various Equipment related to Environmental Technology

Performance Criteria 5: File/folder of Inspect and maintain equipment

Performance Criteria 6: File/folder of Generate Operational and Maintenance Report

Performance Criteria 7: File/folder of Manage Waste at Site

Performance Criteria 8: File/folder of Act as a liaison between Operational Staff and Management **Performance Criteria 9:** File/folder of Assist the Supervisor in Cost Analysis related to Operations

and Maintenance

Performance Criteria 10: File/folder of Assist in Regulatory Compliance and other Duties

Assessors Judgment Guide

Candidate Details	Name: Candidate Signature:	
Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Assessment Summary (to be filled by the assessor)							
Activity	Method		Result				
Nature of Activity	Written	Oral Observation Portfolio Role Play Competent Competent			Not Yet Competent		
Practical Skill Demonstration			/				
Knowledge Assessment	1	1					
Other Requirement							

Observation Checklist

Assess	sment Task 1	f Asses	ssmen	t Task 1	
The trainee is prelevant equiport analysis and p				d with a xamine relevar	air/water/soil sample with e its working, perform at reports by following management SOPs.
During followin	the practical assessment, candidate der ng:	monstrated the	Yes	No	Remarks
1.	Identify hazards and use PPEs to e	ensure safety			
2.	Prepare sample for analysis accord	ing to SOPs			-
3.	Pretreat the sample, if required				-
4.	Perform the experiment on air/water/soil samples				
5.	Take readings of the analysis				
6.	Check the safety guidelines associated with equipment				
7.	Ensure that equipment is stored safely after use				
8.	Detect damage or fault in equipment (if any) according to standard operating procedures.				
9.	Repair/replace any defective equip	ment parts			
10.	Segregate waste on the basis of classification and label the containers for each category of waste				
11.	. Use software to store data electronically				
12.	. Generate operational report				
13.	Draft the maintenance report				
14.	Get it verified from supervisor				
	Competent □ Not Yet Competent □				
Each Assessment Task (with performance criteria)					

Portfolio Description of Candidate is re				f Portfolio equired to present a portfolio including:				
Curren	t Sufficient Au	thentic	Valid	•		Reliable		
Portfol	io meet the following performance s	tandards:	Yes	No	Rema	Remarks		
1.	File/folder of Perform field inspection a	nd investigation						
2.	File/folder of Analyse various Environm	ental Samples						
3.	File/folder of Perform Physical, Chemic Tests on Air, Water and Soil Samples	al and Biological						
4.	File/folder of Operate various Equipment related to Environmental Technology							
5.	File/folder of Inspect and maintain equipment							
6.	File/folder of Generate Operational and Report							
7.	File/folder of Manage Waste at Site							
8.	File/folder of Act as a liaison between Operational Staff and Management							
9.	File/folder of Assist the Supervisor in Cost Analysis related to Operations and Maintenance							
10.	File/folder of Assist in Regulatory Compliance and other Duties							
Compe	etent 🗆	Not Yet Compe	etent C]				

Knowledge Assessment

Title of Qualifica	ation:	CS Code:	Level: 04	Version: 01	
National Competency Standards Level-4 for Environmental Technology "Environmental Technician" (Environmental Technician)					
Competency Sta	andard Title:	Assessment Date (DD/M	M/YY):		
Environment Observe Wor Perform field Analyse vario Perform Physical Air, Water ar Operate vario Environment Inspect and r Generate Op Manage Was Act as a liais Management Assist the Su Operations a	on between Operational Staff and	Assessment Time: 30 n	ninutes		
Guidance for Candidate	To complete your assessment for thi questions on the following pages such		you need to a	nswer the	
Candidate Details	Name:				
COMPETENT NOT YET COMPETENT					
Written Assessment Outcome Name of the Assessor:					
	l				
their application)	didate confidently answered questions co	prrectly and demonstrated u	nderstanding o	f the topics and	
 What is imposed equipment m 					
Describe how samples from environment.	v to collect n different				

What are the types of air
sampling equipment?
Describe SOPs for waste
disposal.
Describe seven reasons why
eam communication is
mportant in the workplace.
Enlist types of recycling.
What are objectives of PEPA?
Allega and an artificial constant
What are practical ways to
educe waste?
Different Catallant and all and
Differentiate between pH and

Answer Key

Question No.	Answer
1.	Control costs and budget
	Comply with regulations
	Ensure personnel safety
	Minimize equipment failure and production downtime
	Extend useful machine life
	Improve product quality
2.	The steps involved in environmental sampling are:
	Development of a sampling plan, including where and when samples will be
	collected and the number of samples required.
	Collection of the samples. Property tion of a samples degree and a transport of the sample deg
	Preservation of samples during transportation and storage.
3.	Equipment used to complete this sampling often includes teller bags (to pull air into for laboratory evaluation), dragger tubes (drawing air through a detector tube for detection of known contaminants), and direct-reading instruments (to test for presence/absence of contaminants or oxygen content).
4.	Identify wastes.
	Evaluate waste.
	Manage wastes.
	Waste management programs.
	Tracto management programo:
5.	Builds healthy work relationships
	Improves employee engagement
	3. Impacts employee well being
	4. Brings more innovation
	5. Enhances transparency6. Develop employee skills
	7. Reduces conflicts
	7. Reduces commets
6.	There three main types of recycling
	Mechanical Recycling
	Energy Recycling
	Chemical Recycling
7.	Identify the needs for, and initiate legislation in various sectors of the environment.
	Provide information and guidance to the public on environmental matters. Specify
	safeguards for the prevention of accidents and disasters which may cause
	pollution.
8.	Practical Ways to Reduce Waste
	Buy fresh produce.
	Compost.
	Eliminate single-use items.
	Recycle.
	Thrift shop.
	Use paperless billing.
	Use your own containers.

9.	pH refers to the "potential of hydrogen". It can be used to determine whether a solution is acidic, basic or neutral. In contrast, pOH is a measure of hydroxide ion (OH–) concentration. The key difference between pH and pOH is that pH is a measure of hydrogen ions whereas pOH is a measure of hydroxide ions.