

Reference No.																			
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SELF-ASSESSMENT GUIDE

Qualification	PRESSURIZED IRRIGATION SYSTEM INSTALLATION AND MAINTENANCE NC II		
Certificate of Competency (COC 1)	Perform installation of pumps and flow control devices		
Instruction:			
<ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Identify information/materials needed when preparing work plan/timetable for installation of pumps and control devices, based on work requirements * 			
<ul style="list-style-type: none"> Select and check equipment and tools 			
<ul style="list-style-type: none"> Enumerate work-related hazards when installing and maintaining pumps and flow control devices 			
<ul style="list-style-type: none"> Set-up pumps and control devices based on manufacturer’s guidelines and legislative requirements * 			
<ul style="list-style-type: none"> Check functions of pump in suction and discharge of water 			
<ul style="list-style-type: none"> Check functions of control devices in regulating water flow 			
<ul style="list-style-type: none"> Evaluate performance of pumps and control devices using flow meter and time-volume method * 			
<ul style="list-style-type: none"> Identify operational problems/causes of installed pumps and control devices during operation 			
<ul style="list-style-type: none"> Record identified operational problems of installed pumps and control devices and activities done 			
<ul style="list-style-type: none"> Dispose wastes materials following environmental regulations 			
<ul style="list-style-type: none"> Practice cleaning of tools and equipment, and good housekeeping after performing tasks * 			
<ul style="list-style-type: none"> Practice safety measures in performing tasks following OSH and Electrical Safety Standards 			
I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.			
Candidate’s Name and Signature			Date

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SELF-ASSESSMENT GUIDE

Qualification	PRESSURIZED IRRIGATION SYSTEM INSTALLATION AND MAINTENANCE NC II		
Certificate of Competency (COC 2)	Perform installation of pipelines and water distribution devices		
Instruction:			
<ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Identify tools, materials, and equipment for installation work 			
<ul style="list-style-type: none"> Enumerate characteristics of a site ready for installing pipelines and water distribution devices 			
<ul style="list-style-type: none"> Interpret (i.e. pipeline lay-outing, pressure, detailed plan of fittings) design/plan of pipelines and water distribution devices * 			
<ul style="list-style-type: none"> Demonstrate staking or marking 			
<ul style="list-style-type: none"> Demonstrate installation of pipelines and water distribution devices (manifolds, control valves drip, emitter) * 			
<ul style="list-style-type: none"> Perform flushing (physical removal of residues/sediments) function of installed pipelines and water distribution devices * 			
<ul style="list-style-type: none"> Test-run functionality of pipelines and water distribution devices; and make necessary adjustments * 			
<ul style="list-style-type: none"> Record defects and performance of installed pipelines and water distribution devices 			
<ul style="list-style-type: none"> Dispose wastes materials following environmental regulations 			
<ul style="list-style-type: none"> Practice cleaning of tools and equipment, and good housekeeping after performing tasks * 			
<ul style="list-style-type: none"> Practice safety measures in performing tasks following Occupational Safety and Health Standards 			
I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.			
Candidate's Name and Signature			Date

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SELF-ASSESSMENT GUIDE

Qualification	PRESSURIZED IRRIGATION SYSTEM INSTALLATION AND MAINTENANCE NC II		
Certificate of Competency (COC 3)	Perform maintenance of pressurized irrigation system		
Instruction:			
<ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Identify tools, materials and measuring devices for maintenance work 			
<ul style="list-style-type: none"> Identify operational problems of installed irrigation system * 			
<ul style="list-style-type: none"> Report findings and recommendation 			
<ul style="list-style-type: none"> Identify tools and materials for maintenance work 			
<ul style="list-style-type: none"> Demonstrate de-clogging and cleaning * 			
<ul style="list-style-type: none"> Perform minor repair and replaces damaged part, if necessary * 			
<ul style="list-style-type: none"> Test-run/countercheck repairs made, if any * 			
<ul style="list-style-type: none"> Clean used tools/equipment after performing tasks * 			
<ul style="list-style-type: none"> Dispose wastes materials following environmental regulations 			
<ul style="list-style-type: none"> Record and prepare report of maintenance activities done 			
<ul style="list-style-type: none"> Practice good housekeeping after performing tasks * 			
<ul style="list-style-type: none"> Practice safety measures in performing tasks following OSH and Electrical Safety Standards 			
I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.			
Candidate's Name and Signature		Date	

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SELF-ASSESSMENT GUIDE

Qualification	PRESSURIZED IRRIGATION SYSTEM INSTALLATION AND MAINTENANCE NC II																	
Units of Competency Covered	<ul style="list-style-type: none"> • Perform installation of pumps and flow control devices • Perform installation of pipelines and water distribution devices • Perform maintenance of pressurized irrigation system 																	
Instruction:																		
<ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. 																		
Can I?															YES	NO		
PERFORM PREPARATORY ACTIVITIES																		
<ul style="list-style-type: none"> • Enumerate information, materials and safe practices needed when installing pressurized irrigation component * 																		
PERFORM INSTALLATION OF PUMPS AND FLOW CONTROL DEVICES																		
<ul style="list-style-type: none"> • Set-up pumps and control devices based on manufacturer's guidelines and legislative requirements * 																		
<ul style="list-style-type: none"> • Check functions of pump in suction and discharge of water 																		
<ul style="list-style-type: none"> • Check functions of control devices in regulating water flow 																		
PERFORM INSTALLATION OF PIPELINES AND WATER DISTRIBUTION DEVICES																		
<ul style="list-style-type: none"> • Interpret design/plan of pipelines (i.e. pipeline lay-outing, pressure, detailed plan of fittings) and water distribution devices * 																		
<ul style="list-style-type: none"> • Demonstrate staking or markings 																		
<ul style="list-style-type: none"> • Demonstrate installation of pipelines and water distribution devices (manifolds, control valves drip, emitter) * 																		
<ul style="list-style-type: none"> • Perform flushing (physical removal of residues/sediments) function of installed pipelines and water distribution devices * 																		
<ul style="list-style-type: none"> • Test-run functionality of pipelines and water distribution devices; and make necessary adjustments * 																		
PERFORM MAINTENANCE OF PRESSURIZED IRRIGATION SYSTEM																		
<ul style="list-style-type: none"> • Demonstrate de-clogging and cleaning * 																		
<ul style="list-style-type: none"> • Perform minor repair and replace damaged part, if necessary * 																		
<ul style="list-style-type: none"> • Test-run/countercheck repairs made, if any * 																		
PERFORM POST-ACTIVITIES																		
<ul style="list-style-type: none"> • Clean used tools/equipment after performing tasks * 																		
<ul style="list-style-type: none"> • Evaluate performance on installed pressurized irrigation components * 																		
<ul style="list-style-type: none"> • Record operational problems and scope of activities done; and make recommendation 																		
<ul style="list-style-type: none"> • Dispose wastes materials following environmental regulations 																		

<ul style="list-style-type: none"> • Practice good housekeeping after performing tasks * 		
<ul style="list-style-type: none"> • Practice safety measures in performing tasks following OSH and Electrical Safety Standards 		
<p>I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.</p>		
<p>Candidate's Name and Signature</p>		<p>Date</p>