WAIHANGA ARA RAU
Construction and Infrastructure
Workforce Development Council

Polyethylene (PE) Pipelaying Micro-credential Summary Document

Title	Gas CoC Protocol: Polyethylene (PE) Pipelaying (Micro-Credential)		
Level	3	**Credits**	36
Purpose	The purpose of this micro-credential is to provide the gas infrastructure industry with a formal credential for people who have the skills to install polyethylene pipes for gas infrastructure. They can assist a supervisor using tracer wire and warning tape using open trench, open cut, thrust or drill methods as authorised by the asset operator. This micro-credential addresses an identified skill gap in Aotearoa New Zealand. It will align with the Reticulated Gas – Competency Protocol GIP009, developed by the Gas Association of New Zealand.		
Outcome	On successful completion of this micro-credential, learners/ākonga will be able to demonstrate skills for installing polyethylene pipe for gas infrastructure. Learners/ākonga will have knowledge of: – polyethylene pipe, fittings and fusion jointing for a gas network. Learners/ākonga will be skilled in: – drafting information for as-built drawings in a gas network – inserting a polyethylene pipe for a trenchless operation in a gas network. – responding to concerns/enquiries to industry operations – gaining approvals and implementing notification procedures for works in a gas network. – laying a polyethylene gas pipeline. – interpreting and using gas terminology, signage. plans and drawings to identify assets in a gas network		

Components & Learning Outcomes	On successful completion learners/ākonga will be able to: ○ Draft information for as-built drawings in a gas network ○ Insert a polyethylene pipe for a trenchless operation in a gas network. ○ Respond to concerns/enquiries to industry operations ○ Gaining approvals and implement notification procedures for works in a gas network. ○ Lay a PE (polyethylene) gas pipeline. ○ Demonstrate knowledge of polyethylene pipe, fittings and fusion jointing for a gas network ○ Interpret and use gas terminology, signage. plans and drawings to identify assets in a gas network.
Standards	**US 10995:** Draft information for as-built drawings for a gas network. **US 10988**: Insert a polyethylene pipe for a trenchless operation in a gas network. **US 11327**: Respond to concerns/enquiries to industry operations. **US 11328**: Gain approvals and implement notification procedures for works in a gas network. **US 23086:** Lay a PE gas pipeline. **US 25610**: Demonstrate knowledge of polyethylene pipe, fittings and fusion jointing for a gas network. **US 30380**: Interpret and use gas terminology, signage. plans and drawings to identify assets in a gas network.
Delivery	This micro-credential is designed to be using a combination of theory content and through the practical application of skills working on gas infrastructure. Industry recommends training activities with time in between to embed the learned skills into workplace practice, and to record workplace evidence to demonstrate competence.