

New Zealand Certificate in Mining and Quarrying (First-line Supervision) – Surface (Level 4) [Ref: 2783-2]			
Level	4	Credits	163-164
Assessment standards aligned with qualification outcomes			
Outcomes		Assessment Standards	
<p>Outcome 1</p> <p>Provide leadership and guidance when organising their own and others' activities at a mining and quarrying site.</p> <p>(Credits 20)</p>		<p>26855 - Analyse Human Factors present in workplace practices at an extractive site (Level 4, credits 10)</p> <p>18337 - Determine and co-ordinate training and/or development for a team (Level 4, credits 5)</p> <p>27564 - Demonstrate knowledge of leadership (Level 4, credits 10)</p>	
<p>Outcome 2</p> <p>Interpret and implement mining and quarrying operational plans in compliance with legislation and workplace policies and procedures.</p> <p>(Credits 50)</p>		<p>30901 - Read and interpret a quarry site plan (Level 3, credits 3)</p> <p>17694 - Demonstrate knowledge of explosives and their properties (Level 3, credits 10)</p> <p>31091 - Operate and maintain stockpiles and tip heads at extractive sites (Level 4, credits 8)</p> <p>28742 - Explain legislation related to health and safety, and supporting documents, applicable to an extractive site (Level 4, credits 8)</p> <p>16687 - Demonstrate knowledge of hazardous substances at an extractive site (Level 4, credits 5)</p> <p>17595 - Explain health and safety management requirements for contractors working on site (Level 4, credits 8)</p> <p>7144 - Review plans and recommend changes for ongoing operations at an extractive site (Level 5, credits 15)</p> <p>28796 - Demonstrate knowledge of a social licence to operate for an extractive site (Level 5, credits 3)</p>	
<p>Outcome 3</p> <p>Co-ordinate and apply risk assessment procedures and workplace health and safety and environmental procedures at a mining and quarrying site.</p> <p>(Credits 20)</p>		<p>17279 - Demonstrate knowledge of the Coordinated Incident Management System (CIMS) (Level 2, credits 2)</p> <p>24473 - Respond to local emergencies and incidents at an extractive site (Level 4, credits 5)</p> <p>28792 - Demonstrate and apply knowledge of requirements and procedures to minimise environmental impact at an extractive site (Level 4, credits 4)</p> <p>28983 - Carry out the risk management process at an extractive site (Level 5, credits 10)</p>	

<p>Outcome 4</p> <p>Conduct workplace inspections and incident investigations to maintain safety at a mining and quarrying site.</p> <p>(Credits 10)</p>	<p>28793 - Conduct safety inspections for extractive operations (Level 4, credits 4)</p> <p>16686 - Conduct an incident investigation at an extractive site (Level 5, credits 8)</p>
<p>Outcome 5</p> <p>Communicate orally and in writing within the mining and/or quarrying workplace, and complete record-keeping for the mining and quarrying operation on a daily basis.</p> <p>(Credits 5)</p>	<p>9704 - Manage interpersonal conflict (Level 4, credits 4)</p> <p>28982 - Develop standard operating procedures for an extractive site (Level 5, credits 5)</p>
<p>Outcome 6</p> <p>Apply broad operational and theoretical knowledge of surface mining, quarrying and/or processing to ensure team members can complete a wide range of tasks as required by the operational plan at a surface mining, quarrying and/or processing site.</p> <p>(Credits 55)</p>	<p>8905 - Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site (Level 3, credits 5)</p> <p>15665 - Demonstrate knowledge of geology and geotechnical features and failures for surface extraction (Level 4, credits 5)</p> <p>21155 - Demonstrate knowledge of the management and use of water at an extractive site (Level 4, credits 7)</p> <p>31092 - Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries (Level 3, credits 5)</p> <p>Elective</p> <p><i>(one of the following options must be selected)</i></p> <p><u>Option 1 - Mining</u></p> <p>30902 - Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction (Level 5, credits 15)</p> <p><u>Option 2 - Quarrying</u></p> <p>8904 - Produce product using a mobile crushing plant (Level 4, credits 10)</p> <p>16694 - Control quality of product from operation of mobile and static sizing plant (Level 4, credits 4)</p>