

Detailed list of changes to reviewed extractives unit standards – NZQA classification, title, level, and credits

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

All changes are in **bold**.

Engineering and Technology > Extractive Industries

ID	Domain	Title	Level	Credit	Review Category
8905	Surface Extraction Extractive Industries Management	Demonstrate knowledge of construction and maintenance of roads within a surface extraction site Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	3	5	B
21155	Surface Extraction Extractive Industries Management	Demonstrate and apply knowledge of the use of water at a surface extraction site Demonstrate knowledge of the use of water at an extractive site	4	7	B
21629	Underground Extraction Extractive Industries Management	Evaluate plans to manage old workings and inundations in underground sites Evaluate plans to manage old workings and inundations at extractive sites	5	10	B
21661	Underground Extraction Extractive Industries Management	Demonstrate knowledge of the use of electrical reticulation plant and equipment in underground operations Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations	4	7	B
22057	Underground Extraction Extractive Industries Management	Demonstrate knowledge of pneumatic and hydraulic power systems used in underground operations Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations	4	7	B

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit	Review Category
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	6	25	B
7143	Inspect and report on safety and operations at an extractive site	5	10	B
8899	Operate and maintain stockpile storage for product processed at extractive sites Operate and maintain stockpiles and tipheads at extractive sites	4	8	B
8902	Prepare a safety inspection plan for extractive operations	5	4	B
17693	Explain and determine water flow, and describe the selection of pumps and structures for an extractive site	6	20	B
17744	Read and interpret an extractive site plan Read and interpret extractive site plans	4	5	B
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	3	5	B
23649	Develop, implement, and review maintenance plans for an extractive site	6	20	B
28742	Explain the health and safety legislation, and supporting documents, applicable to an extractive site Explain legislation related to health and safety, and supporting documents, applicable to an extractive site	4	8	B
15658	Demonstrate knowledge of the selection of excavation and transportation plant and equipment for surface extraction	5	8	C
15667	Demonstrate knowledge of surface extraction methods and the effects of geological features on these methods	5	10	C
US5 to replace 15658 and 15667	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction	5	15	New
15660	Analyse and select mining and transportation plant for a metalliferous underground extractive site	6	15	C
15670	Demonstrate knowledge of mining methods for metalliferous mines	6	20	C
US6 to replace 15660 and 15670	Demonstrate knowledge of mining methods, and analyse and select plant for metalliferous underground extraction	6	20	New

ID	Title	Level	Credit	Review Category
15668	Demonstrate knowledge of mining methods for underground coal	6	20	C
21823	Analyse and select mining and transportation plant for underground coalmines	6	15	C
US7 to replace 15668 and 21823	Demonstrate knowledge of mining methods, and analyse and select plant for underground coalmines	6	20	New
15672	Demonstrate knowledge of the Mines Rescue Service	2	2	C
US8 to replace 15672	Demonstrate knowledge of the Underground Mines Emergency Protocol	2	2	New

Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit	Review Category
15663	Demonstrate knowledge of the design and maintenance of stockpiles and sloping surfaces at surface extraction sites	6	20	B
	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites	5	15	
15665	Demonstrate knowledge of the geology of surface extraction	4	5	B
	Demonstrate knowledge of geology and geotechnical features and failures for surface extraction			
US4 Quarry of 17744	Read and interpret a quarry site plan	3	3	New

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit	Review Category
7145	Design and maintain effective ventilation systems for an underground operation	5	20	B
	Design and maintain effective ventilation systems for an underground coal mine			
15662	Evaluate ground conditions and demonstrate knowledge of design of support methods for underground operations	6	15	B
	Evaluate ground conditions and support methods for maintaining stability in underground operations			

ID	Title	Level	Credit	Review Category
15669	Demonstrate knowledge of tunnelling methods Demonstrate knowledge of tunnelling methods, and selection of plant and equipment for tunnelling	5	15	B
17705	Describe, develop, and maintain basic ventilation systems for an underground operation Describe, develop, and maintain basic ventilation systems for an underground coal mine	4	15	B
21281	Interpret and test for gases in an underground extraction site Interpret and test for gases in an underground coal mine	4	15	B
US1 Non-coal of 7145	Design and maintain effective ventilation systems for a non-coal underground operation	5	20	New
US2 Non-coal of 17705	Describe, develop, and maintain basic ventilation systems for a non-coal underground operation	4	15	New
US3 Non-coal of 21281	Interpret and test for gases in a non-coal underground operation	4	15	New