

**Field      Engineering and Technology****Review of *Extractive Industries* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Extractive Industries	Extractive Industries Management	19859, 19861, 19864, 20334, 23545, 24473, 24481, 24483, 25881-25884, 28792, 28794-28796, 28982
	Surface Extraction	8916, 8918, 21633, 22341, 22342, 22344, 27242, 28797
	Underground Extraction	7160, 8921, 13358, 21279, 21663, 21813-21820, 21822, 21824, 28798, 28799

MITO New Zealand Incorporated (MITO) has completed the review of the unit standards listed above. Unit standards in italics are coversheet standards.

**Date new versions published****March 2020****Summary**

MITO undertook analysis of currently listed Extractive Industries unit standards and identified a number that are no longer being used and have not been awarded in four years or longer. The decision was made to expire these standards as they no longer align with industry need.

**Main changes**

- 42 standards were set to expire without replacement.

**These Category D unit standards will expire at the end of December 2020****Detailed list of unit standards – classification, title, level, and credits**

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

**Engineering and Technology > Extractive Industries > Extractive Industries Management**

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
19859	Check, operate, recommission, and store mines rescue equipment	4	15	D
19861	Manage a mines rescue team during underground fire operations	6	10	D
19864	Supervise a mines rescue team during a mines rescue operation	4	10	D
20334	Describe the legal and operational requirements for a test certifier of Class 1 substances	4	15	D
23545	Investigate and analyse extractive site incidents	6	20	D
24473	Respond to local emergencies and incidents at an extractive site	4	5	D

ID	Title	Level	Credit	Review Category
24481	Conduct elution processes at an extractive site	3	10	D
24483	Conduct leaching process at an extractive site	3	15	D
25881	Operate conveyors at an extractive site	3	5	D
25882	Inspect and maintain conveyors at an extractive site	4	8	D
25883	Operate screens at an extractive site	3	3	D
25884	Inspect and maintain screens at an extractive site	4	3	D
28792	Demonstrate and apply knowledge of requirements and procedures to minimise environmental impact at an extractive site	4	4	D
28794	Operate crushers at an extractive site	3	8	D
28795	Inspect and maintain crushers at an extractive site	4	8	D
28796	Demonstrate knowledge of a social licence to operate for an extractive site	5	3	D
28982	Develop standard operating procedures for an extractive site	4	5	D

#### Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit	Review Category
8916	Operate secondary and tertiary crushing plant	4	15	D
8918	Carry out shotfiring operations at a surface extraction site	3	12	D
21633	Demonstrate knowledge of and apply blasting layouts for pile and pipe cutting blasting	4	10	D
22341	Operate a wheeled dozer safely for surface work at an extractive site	3	8	D
22342	Operate a track type tractor safely for surface work at an extractive site	3	10	D
22344	Describe, prepare, and operate recovery equipment at an extractive site	3	10	D
27242	Operate an excavator at the face safely for surface work at an extractive site	3	5	D
28797	Review consent conditions and describe how to prepare a water management plan for a surface extraction site	5	10	D

#### Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit	Review Category
7160	Describe and operate a feeder breaker in an underground operation	3	5	D
8921	Design blasting layouts and carry out shotfiring in an underground coal mine	4	30	D
13358	Describe and operate a longhole drill in an underground operation	4	10	D
21279	Describe mobile machines and operate a mobile machine in an underground operation	3	10	D
21663	Describe and operate pipejacking and microtunnelling equipment in an underground operation	4	20	D
21813	Describe and operate a continuous miner to cut and extract in an underground mine	4	20	D
21814	Describe and operate a powered mobile drill rig to drill a blast pattern in an underground operation	4	10	D
21815	Install roof and side supports using a powered mobile drill rig in an underground operation	4	6	D

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
21816	Describe and operate a diesel haul truck in an underground operation	3	10	D
21817	Describe and operate a hand-held drill borer to drill to blast in an underground operation	4	5	D
21818	Describe, drill, and install support systems with a hand-held drill borer in an underground operation	4	10	D
21819	Describe and operate a shuttle car in an underground operation	3	10	D
21820	Describe and operate a hydromonitor in an underground mine	4	15	D
21822	Position, set up, and maintain services for hydromonitor sub-levels in an underground mine	4	8	D
21824	Describe and operate a roadheader to cut and extract in an underground operation	4	20	D
28798	Demonstrate introductory knowledge of ground support and geology at an underground operation	3	5	D
28799	Demonstrate introductory knowledge of mining methods and equipment for underground operations	3	3	D