

Mineral Mines and Quarries (MMQ) reporting classes for occupational hygiene data

Table 1 – Open cut/surface operations reporting classes (including overburden removal, mining and quarrying activities)

Activity	DNRME reporting classes	Primary task descriptions	Code
Development of the area prior to production mining or quarrying	Surface/development/dozer	Dozer operations including pushing and raking of vegetation and overburden	QMQ OC001
	Surface/development/scrapper	Single or tandem scrapper operations for removal/ relocation of overburden or waste material	QMQ OC002
	Surface/development/excavator	Excavator operations -including preparation of the area, loading trucks	QMQ OC003
	Surface/development/rubber tyred loader	Loader operations - either solitary or in conjunction with trucks	QMQ OC004
	Surface/development/truck	Truck haulage of waste or overburden material	QMQ OC005
	Surface/development/blasting/drill	Drill and blast operations in mine development - drilling of blast pattern only	QMQ OC006
	Surface/development/blasting/charge up	Drill and blast operations, including charge up, firing the shot, blast clearance, management of exclusion zone, and other operations associated with drill and blast	QMQ OC007
Production - extraction of target/ore or rock	Surface/production/excavator	Excavator operations - including loading trucks and stone cutting	QMQ OC008
	Surface/production/rubber tyred loader	Loader operations - either solitary or with trucks	QMQ OC009
	Surface/production/truck	Haulage by truck	QMQ OC010
	Surface/production/train	Haulage by train	QMQ OC011
Routine services to maintain the area and mobile plant	Surface/services/refuel	Refuelling and servicing of mobile plant in the mining areas	QMQ OC012
	Surface/services/water cart	Water cart or truck - dust suppression and material management	QMQ OC013
	Surface/services/road maintenance	Graders or scrapers in maintaining the internal travel ways	QMQ OC014
Technical/professional advisors including science and engineering roles	Surface/technical/supervisor	Supervisor for the site-not operating plant	QMQ OC015
	Surface/technical/technical	Technical/professional advisors including geologists, metallurgist, engineers, chemist, health and safety specialist and similar	QMQ OC016
Surface not otherwise classified	Surface/not otherwise classified	Any other reporting classes not accounted for in surface operations	QMQ OC017

Table 2 – Underground operations reporting classes (including development, mining, remediation works and closure activities)

Activity	DNRME reporting classes	Primary task descriptions	Code
Development activities in an underground mine	Underground/development/drill/long hole	Drilling activities including hand held, air leg or rock machine drills – specifically long hole drilling including pilot hole drilling activities	QMQ UG018
	Underground/development/drill/shaft sinking	Drilling activities including hand held, air leg or rock machine drills – specifically shaft sinking or raised bore drilling either underground or on the surface	QMQ UG019
	Underground/development/drill/jumbo	Drilling activities – specifically rock machine drilling including blast pattern drilling, meshing and cable bolting	QMQ UG020
	Underground/development/charge up	Charge up, firing shot and post blast clearance activities	QMQ UG021
Ground control of the underground mine	Underground/ground control/shotcrete	Spraying of shotcrete or fibrecrete - including the agitator operator and spray mesh operator	QMQ UG022
	Underground/ground control/strata stabilisation	Strata stabilisation using cable bolting or injection	QMQ UG023
Production activities - extraction of target or rock	Underground/production/loader	Bogging or loading of ore to truck, ore pass or crusher	QMQ UG024
	Underground/production/truck	Haulage of material to underground stockpile or to surface run of mine (ROM)	QMQ UG025
	Underground/production/ring firer	Production Shot firer	QMQ UG026
Support of underground operations	Underground/services/refuel	Refuelling or resupply underground workers or plant	QMQ UG027
	Underground/services/water cart	Road watering, grading and travel-ways maintenance	QMQ UG028
	Underground/services/installation	Installation or repair of underground services including air and water lines, ventilation (ducting or secondary vent fans), undertaking mechanical repairs and vehicle servicing underground, electrical maintenance	QMQ UG029
Underground not otherwise classified	Underground/not otherwise classified	Any other reporting classes not accounted for in underground operations	QMQ UG030

Table 3 – Processing reporting classes (including mined or quarried material to material for removal from the mine site - including tailings)

Activity	DNRME reporting classes	Primary task descriptions	Code
Crushing operation	Processing/crushing	Crushing operation including grizzly, plate crusher, cone crusher, SAG or ball mills) regardless of the presence of water or other media	QMQ P 031
Removal of product from site – including handling material from process plant to stockpile area, stockpile management and loading material onto transport	Export/bagging	Bagging	QMQ P 032
	Export/truck-loading	Truck load	QMQ P 033
	Export/train-loading	Train load	QMQ P 034
	Export/ship loading	Ship load	QMQ P 035
Screening or classification – dry	Processing/dry processing/screening	Mechanical screening - may use dust suppression such as water or other media - including operation and routine inspection of screening, replacement of screens if conducted by operator/maintainers	QMQ P 036
	Processing/dry processing/cutting	Shaping or cutting material/ore including sandstone operators, and any masonry works excludes cone crushers	QMQ P 037
	Processing/dry processing/classification	Size selection of material other than screening (dry cyclone - includes operation and routine inspection)	QMQ P 038
Screening or classification - wet	Processing/wet processing/solvent extraction	Solvent extraction	QMQ P 039
	Processing/wet processing/electro-winning	Electro-winning	QMQ P 040
	Processing/wet processing/carbon-in-pulp	Carbon-in-pulp	QMQ P 041
	Processing/wet processing/flotation	Flotation	QMQ P 042
	Processing/wet processing/heap leach	Heap leach	QMQ P 043
	Processing/wet processing/screening	Screening	QMQ P 044
	Processing/wet processing/cutting	Cutting	QMQ P 045
Removal of water from concentrate	Processing/dewatering	Removal of water from concentrate: pressure or plate filters, dryers and spray dryer (not including tailing facility evaporators)	QMQ P 046
Technical advisors	Processing/technical/science and engineering	Technical advisors including science and engineering roles-geologists, metallurgist, engineers, chemist and similar	QMQ P 048
	Processing/technical/laboratory/sample prep	Sample prep	QMQ P 049
	Processing/technical/laboratory/analyst	Analyst	QMQ P 050
Processing not otherwise classified	Processing/not otherwise classified	Any other reporting classes not accounted for in processing	QMQ P 051

Table 4 – MMQ – support of mining process reporting classes

Activity	DNRME reporting classes	Primary task descriptions	Code
Office based roles	Support/administration	Office based roles including administration officers, weighbridge operator	QMQ S 052
	Support/technical/office	Surface cleaners.	QMQ S 053
	Support/technical/field	Stores, management,	QMQ S 054
Exploration	Support/resource definition/surface rig/reverse circulation	Drilling to determine mineral reserve including greenfield and brown field exploration and in-field mapping	QMQ S 055
	Support/resource definition/surface rig/diamond	Drilling to determine mineral reserve including greenfield and brown field exploration and in-field mapping	QMQ S 056
	Support/resource definition/underground rig	Drilling to determine mineral reserve including greenfield and brown field exploration and in-field mapping	QMQ S 057
Remediation/maintenance of mechanical and electrical equipment	Support/maintenance/mobile plant/workshop	Remediation/maintenance of mechanical and electrical equipment	QMQ S 058
	Support/maintenance/mobile plant/breakdown	Remediation/maintenance of mechanical and electrical equipment including preventative and breakdown response for mobile plant	QMQ S 059
	Support/maintenance/fixed plant	Fixed plant	QMQ S 060
	Support/maintenance/electrical	Electrical plant, including electrician, instrument tech, electrical engineer	QMQ S 061
	Support/maintenance/boilermaker	Boiler maker	QMQ S 062
	Support/maintenance/welder/workshop	Welder / workshop	QMQ S 063
	Support/maintenance/welder/field	Welder / field	QMQ S 064
Supply and stores function	Support/logistics	Supply and stores function - including inward transport, internal stock movements and warehousing	QMQ S 065
Cleaning activities of offices and control rooms not plant area	Support/cleaners	Cleaning activities of offices and control rooms not plant area	QMQ S 066
On-site laundry	Support/laundry	On-site laundry of work clothes - including handling and consignment of clothing to off-site laundry	QMQ S 067
Construction	Support/construction/buildings	Construction of building and offices including building maintenance other than electrical works	QMQ S 068
	Support/construction/plant	Construction of plant	QMQ S 069
Demolition	Support/demolition	Demolition of building, offices or other structure including removal of asbestos containing materials (ACM)	QMQ S 070
Back fill of surface and underground voids and excavations excluding loading material into ore-passes	Support/fill/backfill	Back fill of surface and underground voids and excavations	QMQ S 071
	Support/fill/paste fill	Back fill paste production	QMQ S 072
Support of mining process not otherwise classified	Support/not otherwise classified	Any other reporting classes not accounted for in support of mining process	QMQ S 073