



**NSW
Resources
Regulator**

MONTHLY BUSINESS ACTIVITIES REPORT

June 2021



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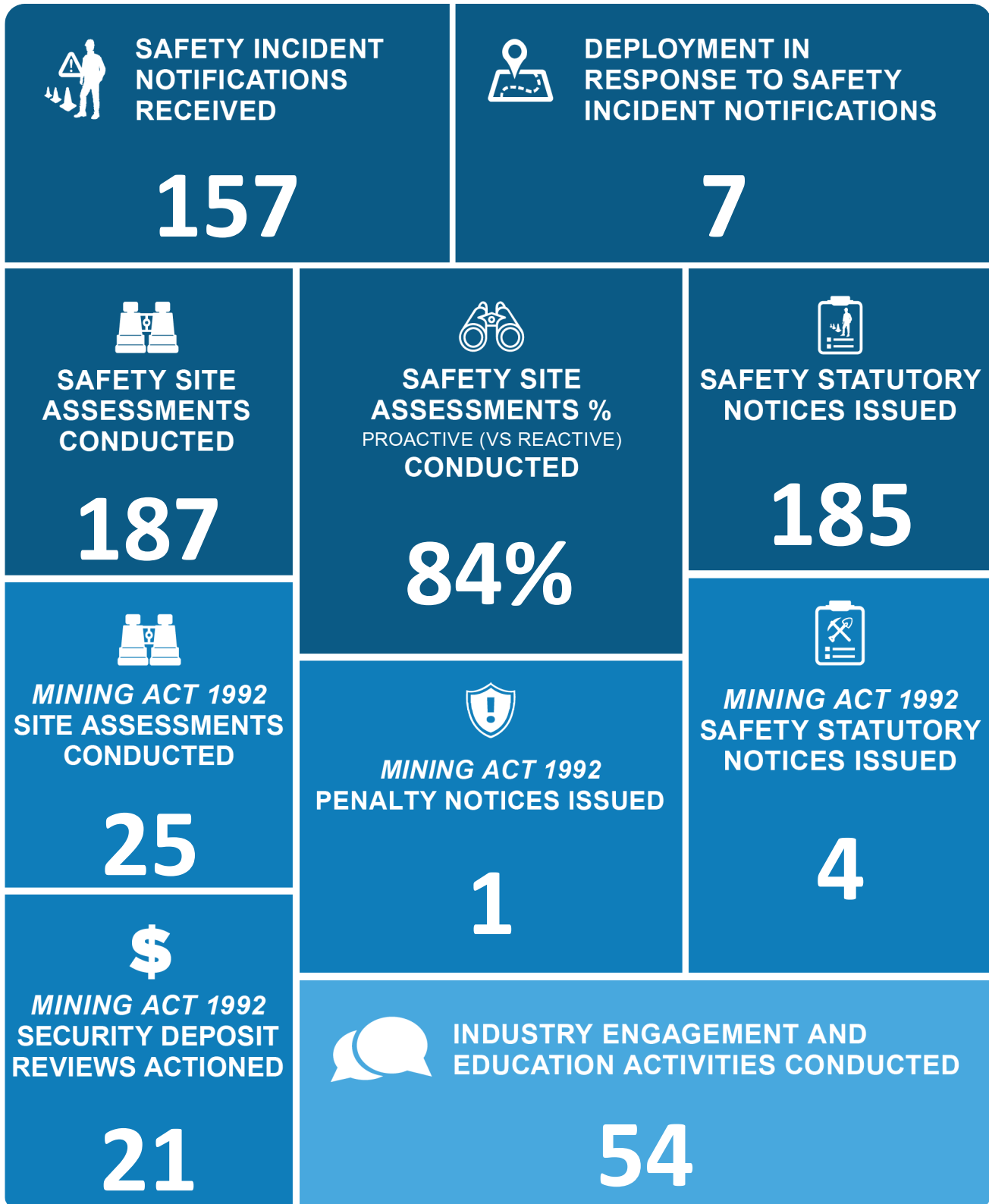
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Activities at a glance

Summary of our regulatory activities in June 2021



Key Activities

The NSW Resources Regulator published the following investigation and safety bulletins:

- an [investigation report](#) into a serious injury, unexpected movement of powered roof support at Ulan Underground mine in December 2019
- an [investigation release](#) about a worker struck by light vehicle at a quarry
- an [investigation release](#) about a worker seriously injured during transit in underground roadway
- [an investigation release](#) about a worker seriously injured by recoiling pipe
- [an investigation release](#) about a collision between an excavator and dozer
- a [safety bulletin](#) providing safety advice on crawler utility vehicle runaway after two recent notifications for lost motion control and rolled, uncontrolled, down a gradient.

Other publications included:

- [Industry awareness resources](#) addressing the risk of collisions involving heavy mining equipment
- [Mine safety performance report 2019-2020](#) following collation and analysis of industry work health and safety reports, incident notifications and our compliance and enforcement data.

As part of the Work Health and Safety (WHS) enforceable undertaking accepted by the Resources Regulator in September 2019, Otraco International Pty Ltd has developed and [published a best practice video training package](#).

The Regulator issued the following rehabilitation information releases to draw attention to the achievement of rehabilitation outcomes:

- [Catherine Hill Bay coal preparation plant and coal bin rehabilitation achieves residential, recreational and open space land uses](#)
- [Rehabilitation of Western Emplacement Area at Ravensworth Operations](#).

Two Mining Act enforceable undertakings were accepted totalling \$160,316 under the *Mining Act 1992*:

- Hi-Quality Waste Management Pty Ltd for alleged mine clay/shale and structural clay without an authorisation that is an offence under s.5 of the *Mining Act 1992*

- Hi-Quality Quarry (NSW) Pty Ltd for alleged mine clay/shale and structural clay without an authorisation that is an offence under s.5 of the *Mining Act 1992*.

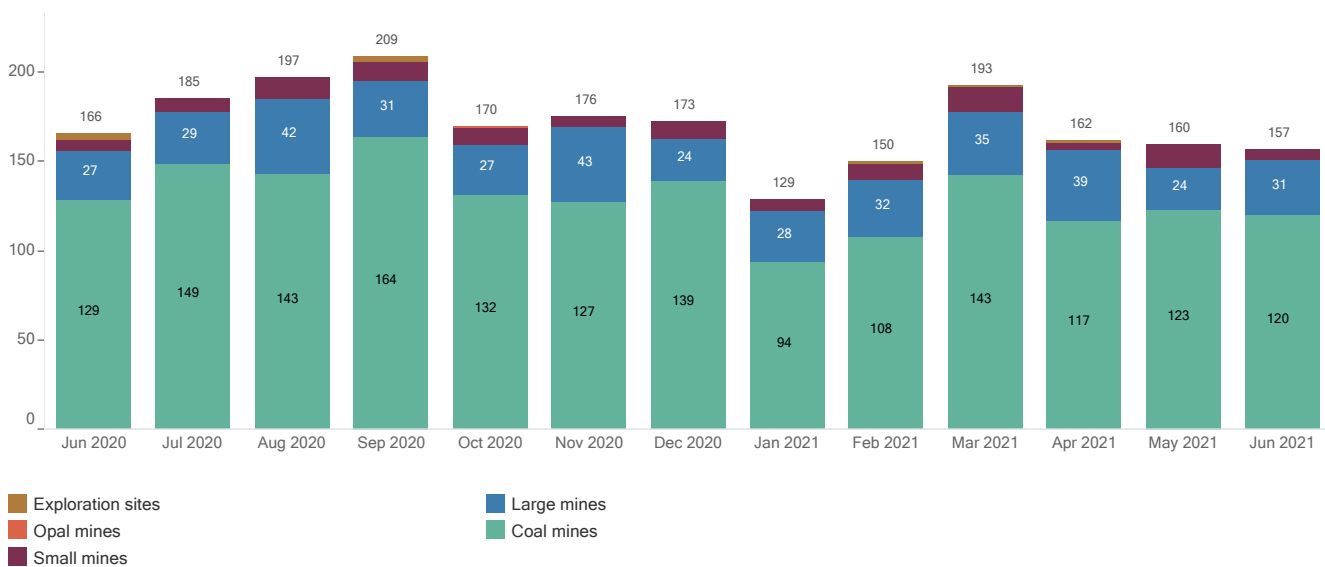
One penalty notice issued for \$1,000 was issued to NBH Resources Pty Ltd for failure to pay rent and levy under s.292c *Mining Act 1992*.

For more activities refer to [Mine Safety News](#) and [Mine Rehabilitation News](#).

Work Health and Safety activities

Incident notifications

SAFETY INCIDENT NOTIFICATIONS RECEIVED BY SECTOR



DETAILS OF SAFETY INCIDENTS WHERE INSPECTORS WERE DEPLOYED

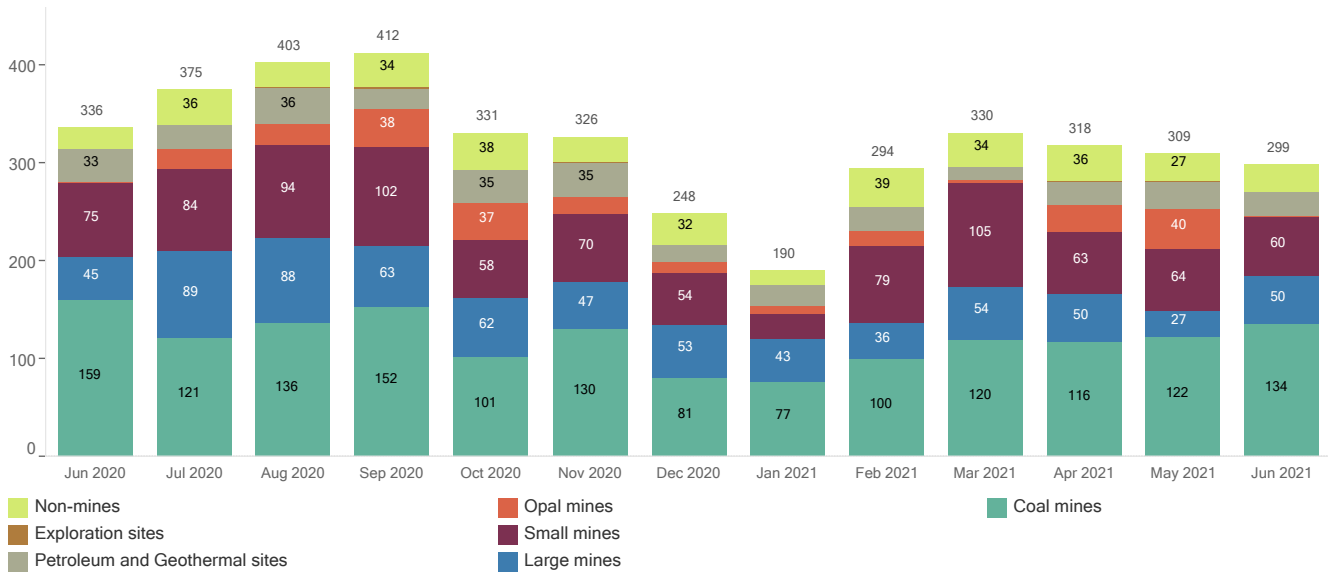
DATE NOTIFIED	REPORTING SECTOR	PRINCIPAL MINING HAZARD	INCIDENT
4 June	Coal mines	No related principal mining hazard or principal control plan	A large rock has fallen 25 to 30 metres from a highwall onto the cab of a dozer doing clean-up on the floor below. The rock shattered on impact and dented the cab and dislodged a pane of glass. The operator was not injured.
7 June	Coal mines	No related principal mining hazard or principal control plan	A worker in the workshop was standing on a work platform positioning a lifting sling onto a radiator cowling which was to be lifted by a crane back onto a dump truck. While adjusting the sling the cowl has moved causing the worker to fall from the platform onto a nearby trolley. The worker has not sustained any apparent injury.
15 June	Coal mines	Ground or strata failure	Sudden roof fall, approximately 6m long, full width of drive (5.4 metres) by 2 metres high occurred in the main gate. A continuous miner was within 5 metres inbye of fall, with two fitters working on the miner at the time. Fitters noticed some flaking in the roof and immediately went outbye just prior to the fall of ground.
15 June	Coal mines	Ground or strata failure	Fall of coal roof. Miner was operating inbye at approximately 60 metres. Workers retreated past fallen material which was passable under supported roof.
16 June	Coal mines	Mechanical engineering control plan	While in the process of dumping a load of coal the truck operator smelled "electrical" smoke in the cabin. The "E" stop in the cab was activated and emergency was called. The operator was

DATE NOTIFIED	REPORTING SECTOR	PRINCIPAL MINING HAZARD	INCIDENT
			taken to hospital to be checked for smoke inhalation.
18 June	Coal mines	Mechanical engineering control plan	The operator of a Hitachi EH4500 truck parked on a dump (not fundamentally stable) and was unable to activate the primary access ladder to egress the truck. The operator exited to the ground via the emergency ladder and activated the “E” stop.
21 June	Large mines – Metalliferous and Quarries	No related principal mining hazard or principal control plan	A rigger has fallen 3m from a scaffolding ladder after ducking under the handrail. The rigger was taken to hospital.
TOTAL			7

Safety assessments

Safety assessments commenced

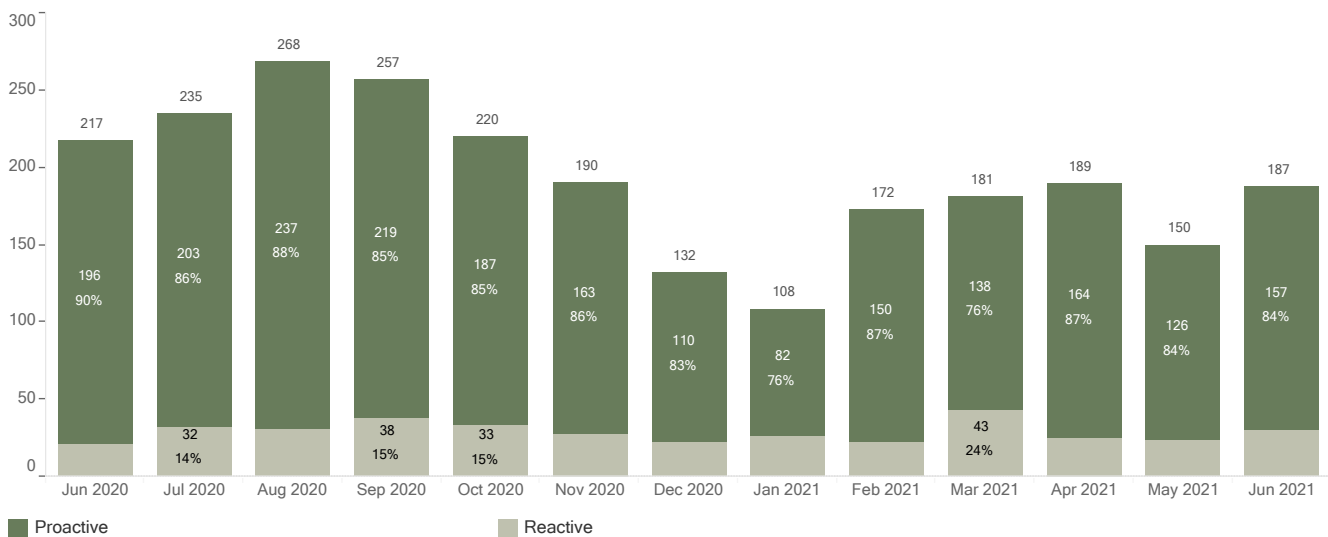
SAFETY ASSESSMENTS COMMENCED BY SECTOR



Proactive and reactive safety assessments

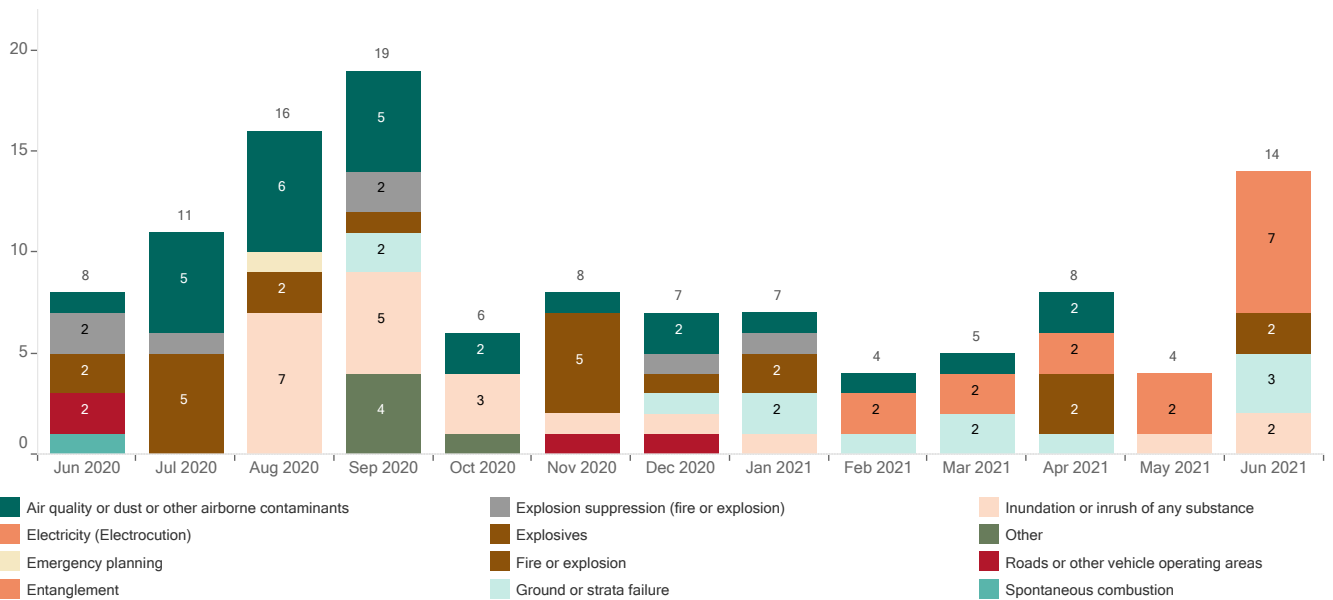
Proactive assessments include targeted assessments and planned inspections. Assessments conducted in response to incident notifications, targeted interventions, high-risk activity notifications and action

SAFETY SITE ASSESSMENTS COMMENCED BY NATURE



Safety site targeted assessment program

TARGETED SAFETY SITE ASSESSMENTS COMMENCED



DETAILS OF TARGETED SAFETY SITE ASSESSMENTS

HAZARD	SECTOR	MINE
	Coal – surface	Maules Creek Coal Handling and Preparation Plant
		Ravensthorpe Central Coal Processing
Entanglement	Coal - surface	Mandalong Mine
		North Wambo Underground
		Ulan West Operations
		Clarence Colliery
		Chain Valley Colliery
Ground or strata	Coal - Surface	Narrabri Coal Operations Pty Ltd
		Endeavour Coal Pty Ltd
	Metalliferous - Surface	Evolution Mining Limited

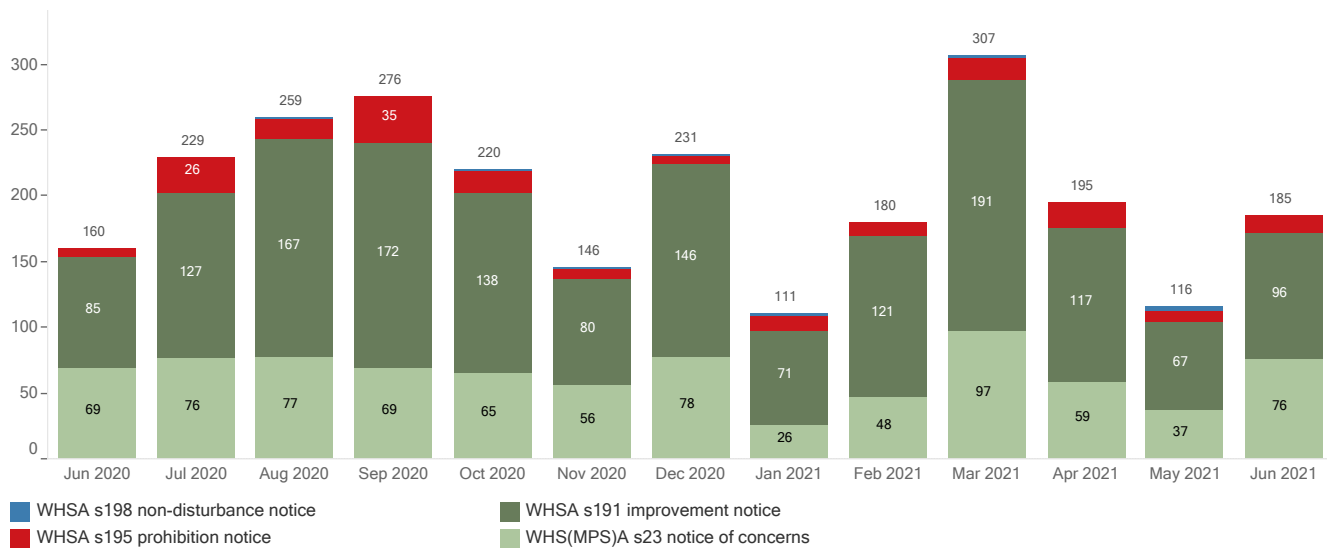
HAZARD	SECTOR	MINE
Fire or explosion	Metalliferous - Surface	Rasp Mine
	Metalliferous - Surface	Ginkgo Mineral Sands Mine
Inundation or inrush of any substance	Metalliferous - Underground	CSA Mine
	Metalliferous - Underground	Dargues Gold Mine
TOTAL		14

Compliance activities

Notices issued

In June 2021, we issued 185 statutory notices under the *Work Health and Safety Act 2011* which were 96 improvement notices, 76 notice of concerns and 13 prohibition notices.

SAFETY NOTICES ISSUED BY NOTICE TYPE



Prohibition notices issued

In June 2021, 13 prohibition notices were issued under section 195 of the *Work Health and Safety Act 2011*.

PROHIBITION NOTICES ISSUED

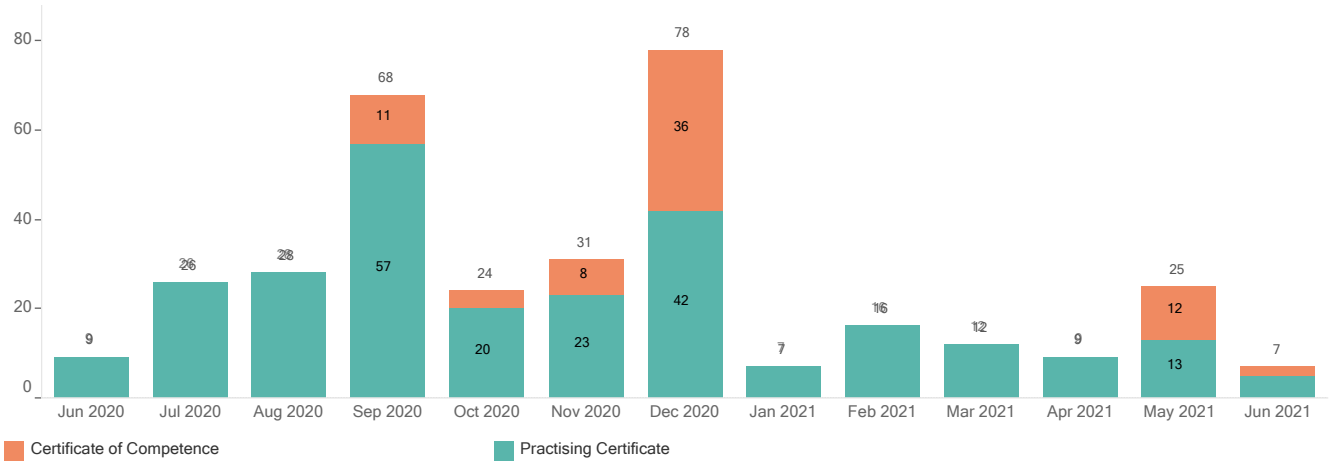
ISSUED TO PCBU*	MINE LOCATION	PROHIBITED ACTIVITY
Maules Creek Coal Pty Ltd	Maules Creek Mine	Workers Luke Rodi and Paul Benham recommencing work on site.
Centennial Mandalong Pty Limited	Mandalong Mine	Mining in Area 2.
NPWS Hunter-Central Coast Branch	Mountain Maid - Tourist Mine - (Gloucester)	Mine access for the direct purpose of tourism.
Aurelia Metals Limited	Hera Mine	Tipping over any stope edge without a secured physical barrier to prevent mobile plant from entering the stope.
Maules Creek Coal Pty Ltd	Maules Creek Mine	The operation of dozers within 15 metres of a highwall until the re-training has been conducted.
Boggabri Coal Operations Pty Limited	Boggabri Coal Mine - Open Cut	Storing of the Komatsu 930E haul truck nose cones in a vertical, unrestrained position and their removal or installation of nose cones.
Whitehaven Coal Mining Limited	Tarrawonga Coal Mine	Dumping activities on the RL320 Waste Dump.
Centennial Myuna Pty Limited	Myuna Colliery	Mining through the fault zone in both 4 and 6 headings between 4 and 5 cut through 723 Panel.
The Austral Brick Co Pty Ltd	New Berrima Quarry - M(MO)L6	This notice relates to the two Caterpillar 740 ADTs and the Hitachi AH400 ADT on site and requires the mine operator to: 1. No person to proceed beyond the door of the identified articulated dump truck (driver's side), unless it is to enter cabin.

2. No person to use the ladder or truck platform on the identified articulated dump trucks (opposite side of cabin) to proceed up for any task.

Narrabri Coal Operations Pty Ltd	Narrabri Colliery	Mining in Maingate 203 Production Area.
Narrabri Coal Operations Pty Ltd	Narrabri Colliery	Mining in Maingate 203 Production Area.
Manuka Resources Ltd	Manuka Mine	Use of the fuel trailer which was attached to LV05. The trailer can be operated for testing purposes to ensure compliance with the direction in this notice.
Dendrobium Coal Pty Ltd	Dendrobium Colliery	"E" Stops and lanyards used for "remote isolation."
Dendrobium Coal Pty Ltd	Dendrobium Colliery	There is to be no "remote isolation" used when persons are either on a conveyor or in between a conveyor.
Broken Hill Operations Pty Ltd	Rasp Mine	Local switching operations of energised high voltage oil filled circuit breakers (switches) on site.
TOTAL		15

Mining competencies activities

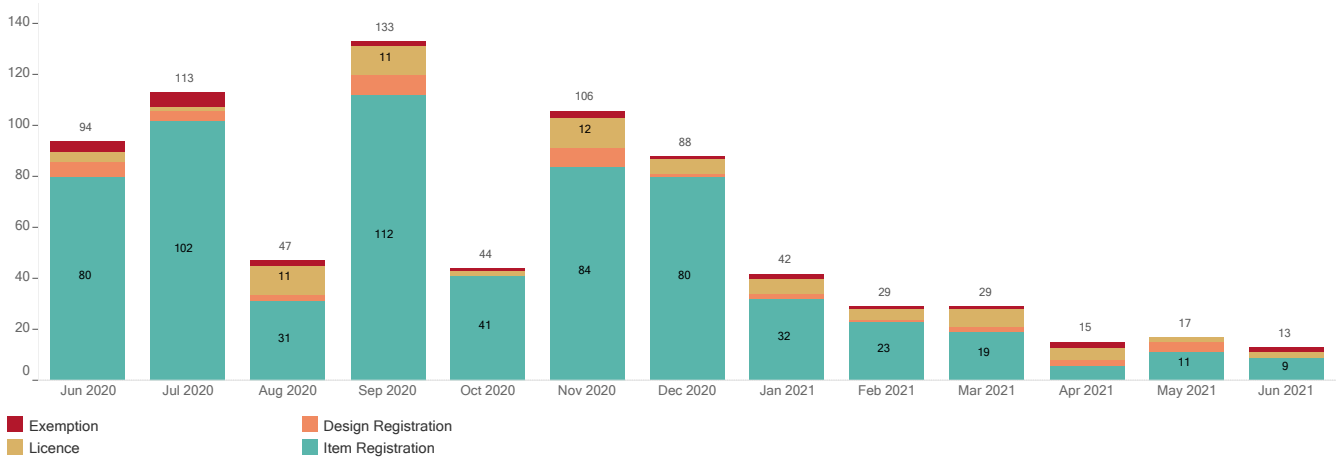
COMPETENCE AND PRACTISING CERTIFICATES GRANTED



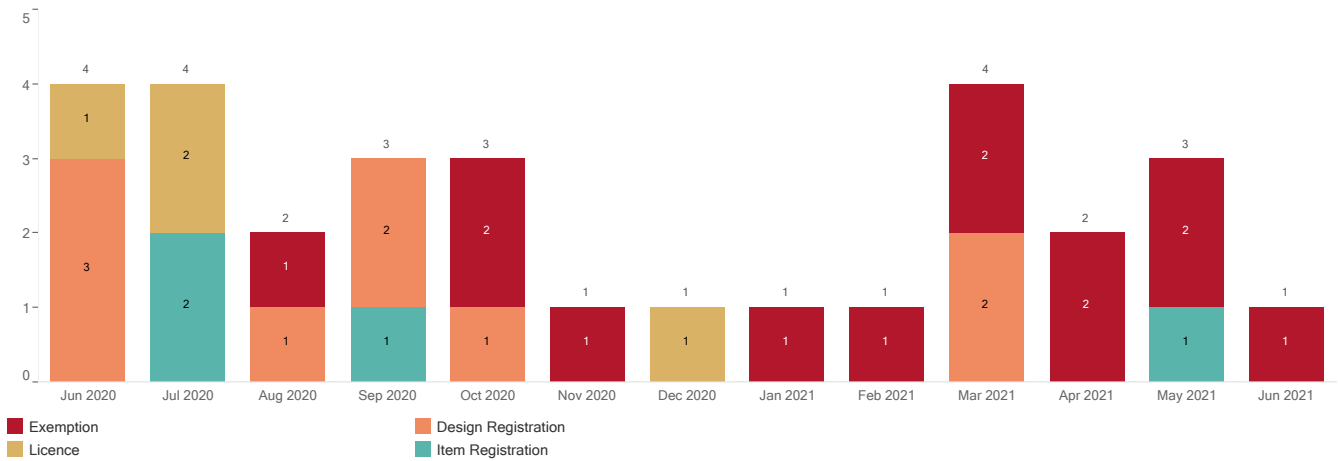
Mining authorisation activities

Safety mining authorisations include licence applications to carry out prescribed high-level activities, plant item registrations, design registrations and exemptions.

EXEMPTIONS, LICENCE, DESIGN & ITEM REGISTRATIONS GRANTED



EXEMPTIONS, LICENCE, DESIGN & ITEM REGISTRATIONS NOT GRANTED



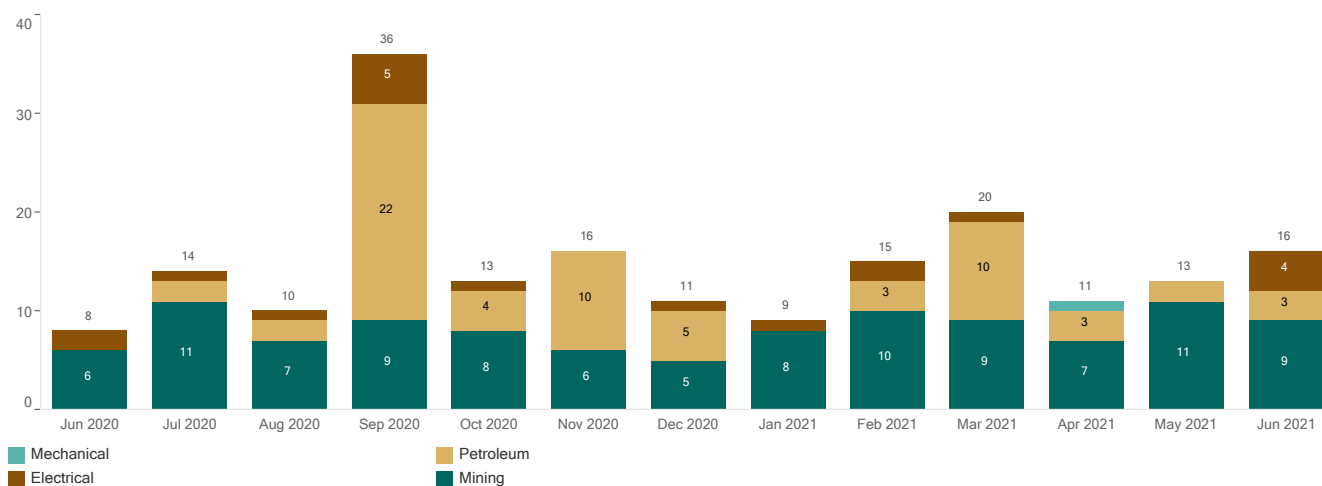
In June 2021, we granted two applications and refused one application requesting exemption from specific provisions of the Work Health and Safety (Mines and Petroleum Sites) Regulation 2014*.

EXEMPTION APPLICATIONS GRANTED AND REFUSED

MINE	REGULATION PROVISIONS EXEMPTED*	STATUS
Integra Underground	WHS(MPS) Reg 96(4)(b) Emergency exits	Granted
Appin Colliery	WHS(MPS) Reg 96(4)(b) Emergency exits	Granted
Mines Rescue Station - Southern (Wollongong)	WHS(MPS) Reg clause 177(1)(e) Registration of plant designs and items of plant	Not approved
TOTAL		3

High-risk activities notifications

HIGH-RISK ACTIVITY NOTIFICATIONS RECEIVED BY ENGINEERING DISCIPLINE



HIGH-RISK ACTIVITY NOTIFICATIONS RECEIVED

MINE	LEGISLATION*	TYPE OF NOTIFICATION	NO.
Ulan West Operations	Schedule 3 clause 7(2)(a)	Working in inrush control zone - potential source of inrush can be inspected.	1
Tahmoor Colliery	Schedule 3 clause 18	Carrying out mining operations in an outburst control zone.	1
PPL0001 Logan Brae 6	Schedule 3 clause 32	Decommissioning a well.	1
PPL0004 Glenlee 7	Schedule 3 clause 32	Decommissioning a well.	1
Cadia East UG	Schedule 3 clause 4	Development of a new mine entry (including by sinking a shaft or drift or raise boring).	1
Dendrobium Colliery	Schedule 3 clause 8	Single entry development of a roadway or drift for more than 250 metres without an intersection.	1
Clarence Colliery	Schedule 3 clause 27	The establishment, operation, alteration or decommissioning of an emplacement area.	1

Tahmoor Colliery	Schedule 3 clause 15	The formation of a pillar other than a conforming pillar.	1
Cowal Gold Mine	Schedule 3 clause 4	Development of a new mine entry (including by sinking a shaft or drift or raise boring).	1
Rasp Mine	Schedule 3 clause 2	Electrical work on energised electrical equipment.	1
Northparkes Mines	Schedule 3 clause 2	Electrical work on energised electrical equipment.	1
PPL0004 Wandinong 2	Schedule 3 clause 33	Suspending a well.	1
Moolarben Coal Operations - Open Cut	Schedule 3 clause 27	The establishment, operation, alteration or decommissioning of an emplacement area.	1
Tahmoor Colliery	Schedule 3 clause 16(1)(a)	Secondary extraction by longwall mining, shortwall mining or miniwall mining.	1
Chain Valley Colliery	Schedule 3 clause 10	Sealing (other than emergency sealing), but only if notice has not been given as part of a notice for secondary extraction.	1
Southern Operations	Schedule 3 clause 35	The establishment, operation, alteration or decommissioning of a tailings storage facility.	1
TOTAL			16

*Work Health and Safety (Mines and Petroleum Sites) Regulation 2014

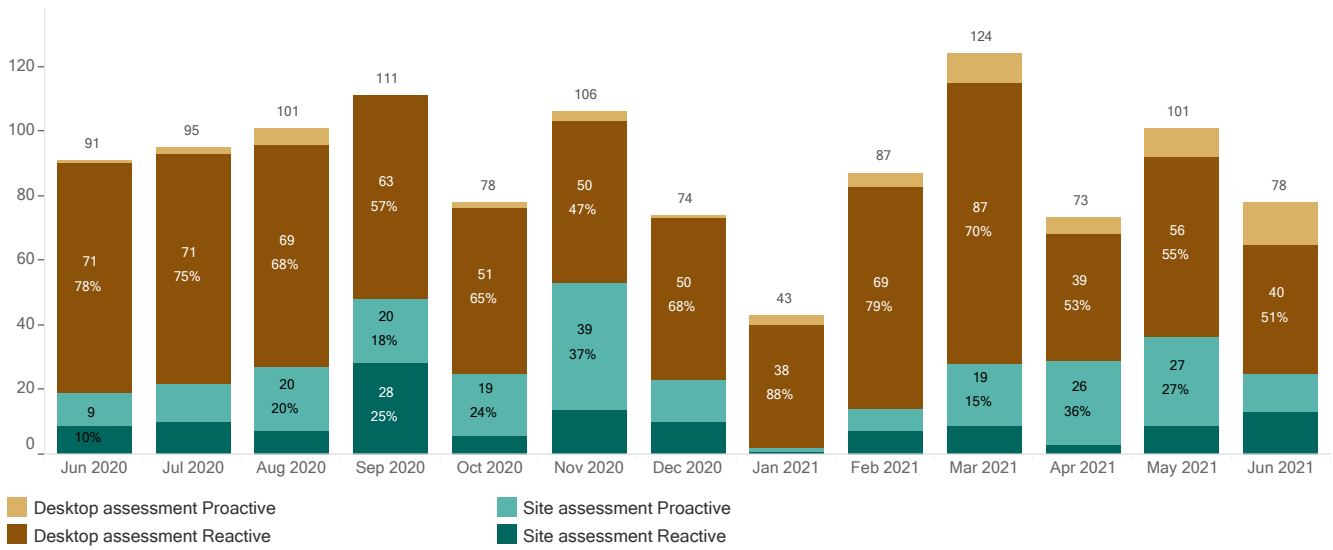
Mining Act 1992 regulatory activities

Mining Act assessments

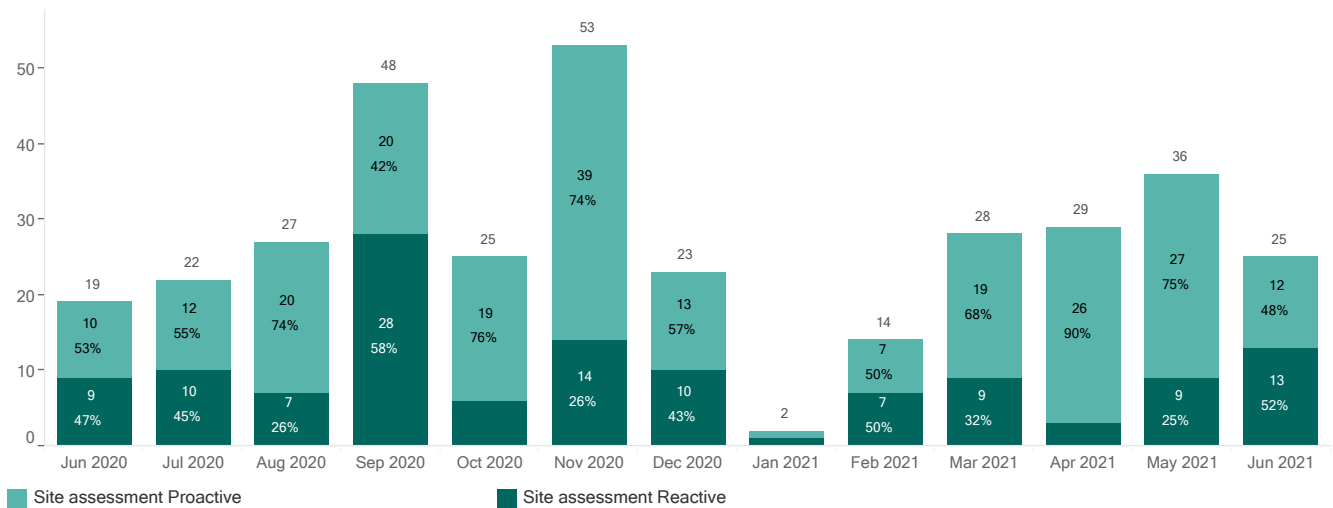
Proactive and reactive assessments

We undertake both proactive and reactive site assessments. Proactive site assessments include planned inspections, compliance inspections and regulatory audits. Reactive site assessments include assessments conducted in response to lodgement of mining operation plans, annual reports, security reviews, applications to conduct exploration activities, title dealings and action requests.

MINING ACT ASSESSMENTS COMMENCED BY CATEGORY AND NATURE



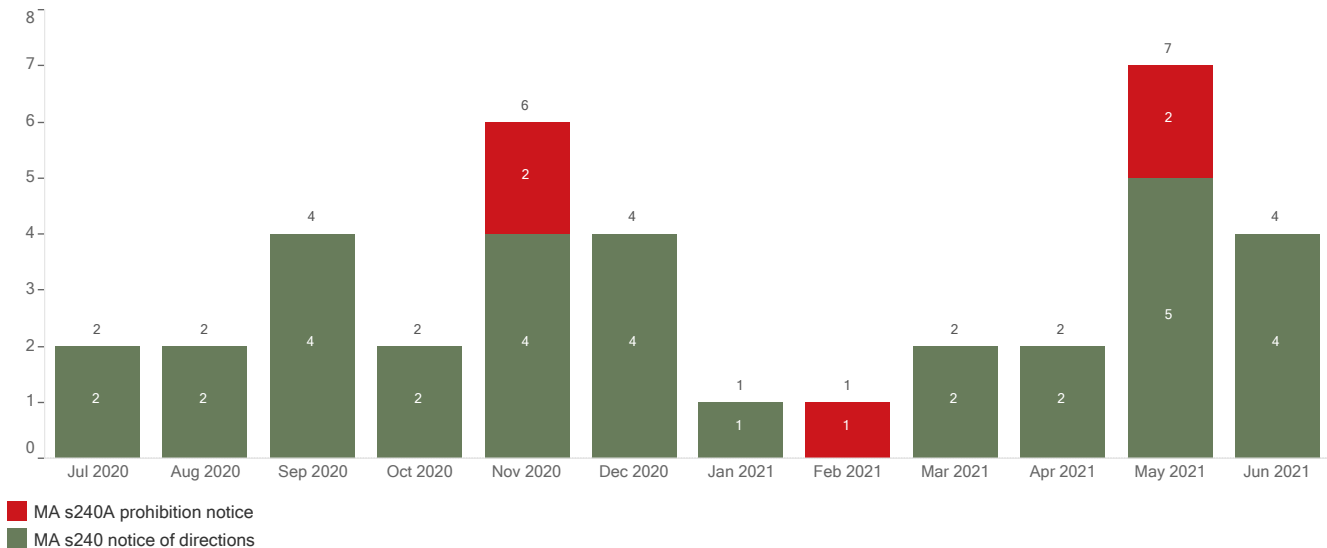
MINING ACT SITE ASSESSMENTS COMMENCED BY NATURE



Mining Act compliance activities

Statutory notices issued

MINING ACT STATUTORY NOTICES ISSUED



NOTICES OF DIRECTIONS ISSUED DETAILS

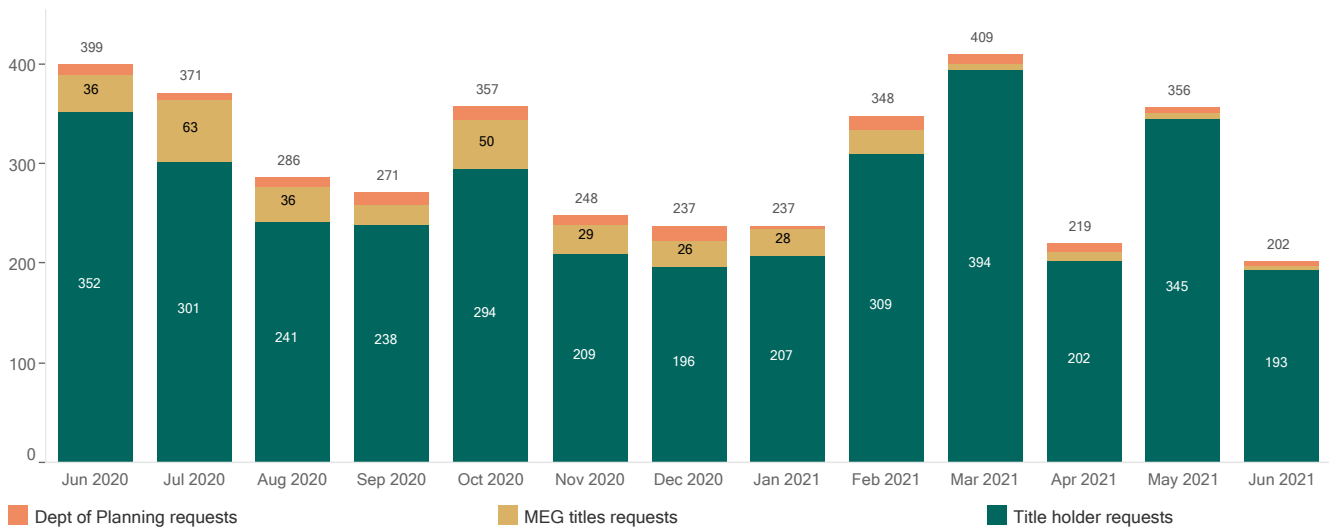
ISSUED TO	LOCATION	SUMMARY S.240 OF THE MINING ACT 1992 DIRECTION
Arumpo Bentonite Pty Limited	Arumpo Bentonite Mine (ML1507)	<p>Prepare and submit a schedule for the completion of progressive rehabilitation on ML1507 that is consistent with the commitments in the approved Mining Operations Plan, Year 5.</p> <p>The schedule is to include a table detailing the and areas of rehabilitation activities, quarterly milestones and completion dates. A plan is to be submitted that spatially describes progressive rehabilitation over the term of the schedule.</p>
Conrad Resources Pty Ltd	Conrad Mine	<ol style="list-style-type: none"> 1. Rehabilitate the land that is or may be affected by disturbance activities with all boreholes under, Mining Leases (ML) 5992, 6040, 6041 (1906) Exploration Licence (EL) 5977 (1992) and Exploration Prospecting Licence (EPL) 1050 (1973). Note due date changed from 27 May 2021 to 27 November 2021. 2. Submit a Final Rehabilitation Progress Report and Form ESF2 Rehabilitation Completion and/or Review of Rehabilitation Cost Estimate.

ISUSED TO	LOCATION	SUMMARY S.240 OF THE <i>MINING ACT 1992</i> DIRECTION
Maxwell Ventures (Management) Pty Ltd	Maxwell Infrastructure (formerly known as Drayton Mine)	<ol style="list-style-type: none"> 1. Engage a suitably qualified expert to undertake an assessment of the long-term erosional stability of the final landforms that have been constructed as part of the rehabilitation of the mine as listed as Pasture and Woodland rehabilitation in Figure 14 – Location of Rehabilitation Activities of the Malabar Annual Environmental Management Report 2020. 2. Engage a suitably qualified expert to undertake an assessment of the surface water management structures located in the rehabilitated landform. The assessment must include the following: <ol style="list-style-type: none"> a. A hydrological assessment of the surface water management, using appropriate projections to model behavior for significant rainfall events in accordance with standard industry practice. An assessment of the adequacy of the current surface water management installed. b. Review of the adequacy of the current surface water management structure design and construction, including an assessment of long-term competency of rock utilised. 3. Prepare and submit a report providing details of the assessment specified in Direction 1 and 2.
RZ Resources Limited	EL8311, EL8312, EL8385, EL8560 and EL8648	<p>Provide information if have access to drill hole data drilled on exploration licences by the previous title holder “Broken Hill Minerals” and</p> <p>Provide a detailed report for ALL access tracks created by RZRL for each activity approval issued to RZRL. Each access track identified by RZRL is to have a unique identifier. The report is to include the following information for each activity approval and is to be set out in the same format.</p>
TOTAL		4

Mining Act requests for service

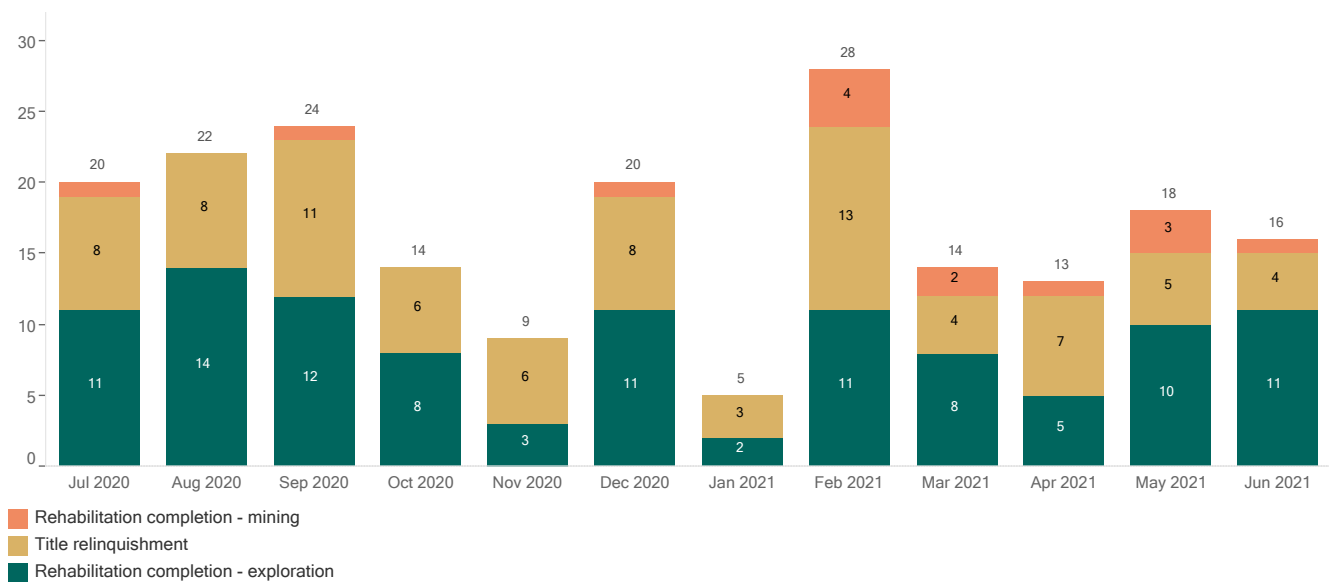
Requests for service includes requests from title holders, Mining, Exploration and Geoscience concerning the administration of mining authorisations and requests from either the NSW Department of Planning or a local consent authority relating to development assessment applications under the *NSW Environmental Planning and Assessment Act 1979*.

MINING ACT REQUESTS FOR SERVICE ACTIONED



Mining Act rehabilitation completion

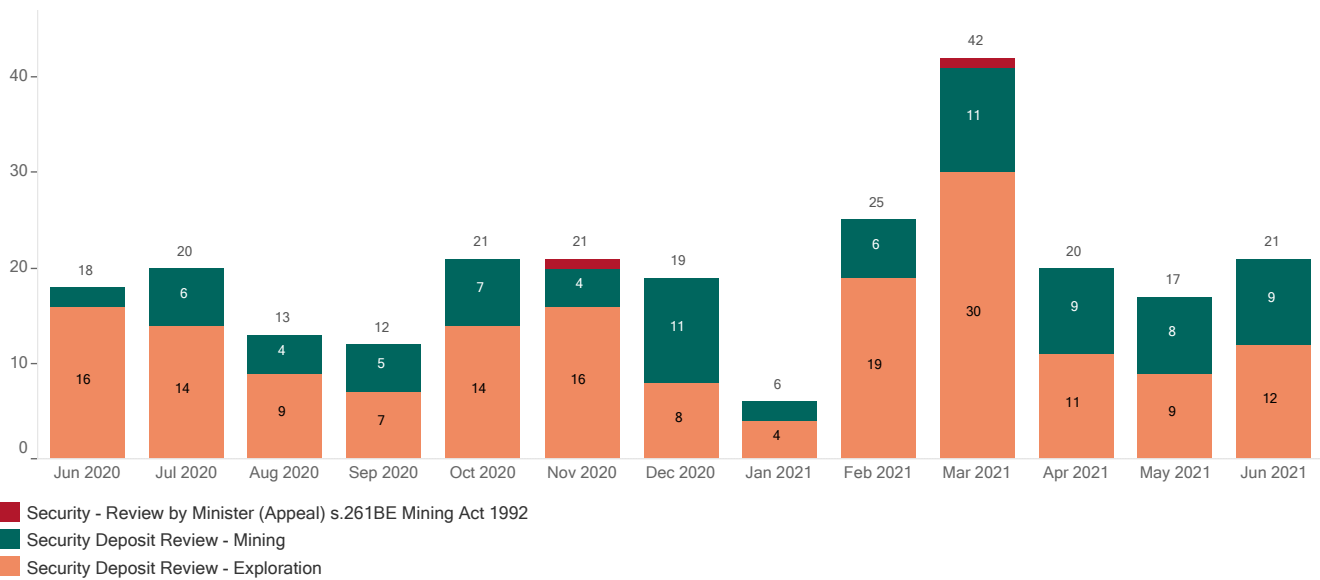
MINING ACT REHABILITATION COMPLETION ACTIONED



Rehabilitation security deposit review

Our inspectors regularly assess the surface disturbance (or proposed disturbance) of a mine or exploration site to calculate the security deposit. This is known as the assessed deposit. Once the assessed deposit is determined, we advise Mining, Exploration and Geoscience who vary the condition of the title and seek the additional funds - or in the case of satisfactory rehabilitation, returns some or all of the security deposit.

REHABILITATION SECURITY DEPOSIT REVIEWS ASSESSED

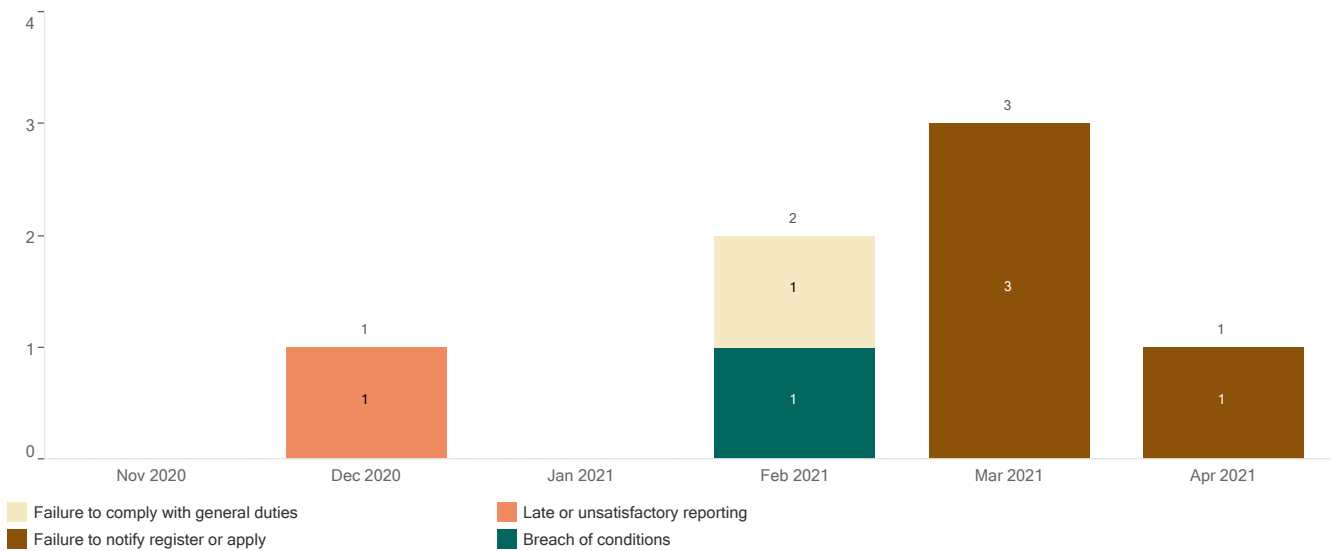


Compliance concerns and non-compliances

Safety non-compliance breaches

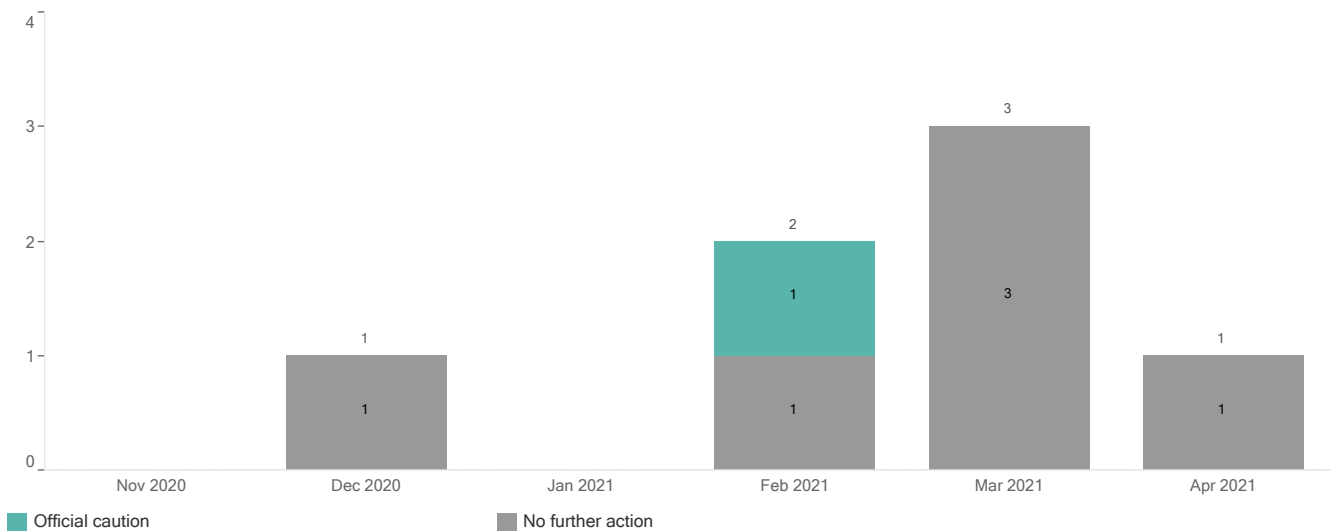
Non-compliance breaches sustained by category

SAFETY NON-COMPLIANCE BREACHES SUSTAINED BY CATEGORY



Non-compliance breaches sustained by regulatory response

SAFETY NON-COMPLIANCE BREACHES SUSTAINED BY REGULATORY RESPONSE

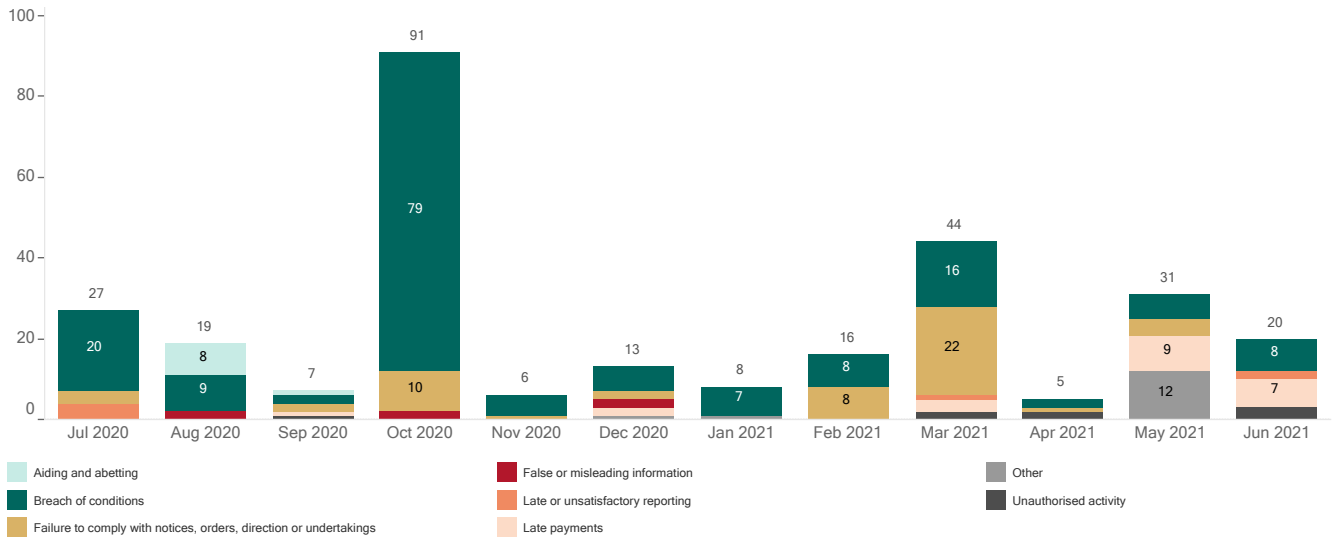


Mining Act non-compliance breaches

Non-compliance breaches sustained by category

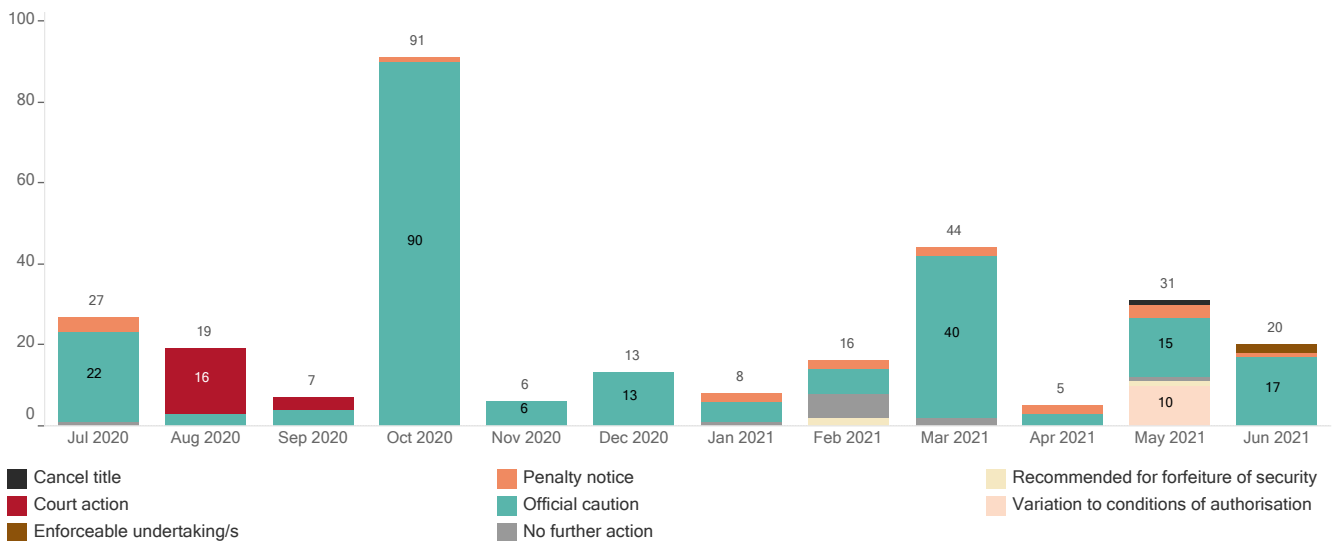
Compliance categories shown in the figure below is non-exhaustive.

MINING ACT 1992 NON-COMPLIANCE BREACHES SUSTAINED BY CATEGORY



Non-compliance breaches sustained by regulatory response

MINING ACT 1992 NON-COMPLIANCE BREACHES SUSTAINED BY REGULATORY RESPONSE



Key enforcement actions

MINING ACT 1992 KEY ENFORCEMENT ACTIONS

DATE	ENTITY	AUTHORITY	ACTION	AMOUNT	ALLEGATION/FINDING
17 June	Hi-Quality Waste Management Pty Ltd	EL 8905 (1992)	Enforceable undertaking	Estimated \$87,625	Mined clay/shale and structural clay from Windellama mine without an authorisation that is an offence under s.5 of the <i>Mining Act 1992</i> .
17 June	Hi-Quality Quarry (NSW) Pty Ltd	MLA 573 (1992)	Enforceable undertaking	Estimated \$72,691	Mined clay/shale and structural clay from Kemps Creek Central Shale mine without an authorisation that is an offence under s.5 of the <i>Mining Act 1992</i> .
28 June	NBH Resources Pty Ltd	EL 8905 (1992)	Penalty Notice	\$1,000	Failure to pay rent and levy under s.292c <i>Mining Act 1992</i> .
TOTAL					3

Industry engagement activities

Committees and other industry body involvement

COMMITTEES AND OTHER INDUSTRY BODY INVOLVEMENT

COMMITTEE/BODY	DETAIL
Local emergency management committee	Illawarra quarterly meeting
Regional emergency management committee	New England, Far West and Central West quarterly meetings
Centre for Work Health and Safety	Quarterly meeting
Upper Hunter Mining Dialogue - Joint Environment Working Group	Quarterly meeting
Closure Planning Practitioners Association	Tech Presentation Webinar - NSW Resources Regulator Operational Rehabilitation Reforms
Emergency Planning	Emergency Planning Arrangements and Emergency Management plan review for mines in the Singleton Local Government Area.
Legacy Mines Steering Committee	Quarterly meeting
Mechanical Engineers Surface Coal	Quarterly meeting
Mechanical Engineers Underground Coal	Quarterly meeting
TOTAL	9

External education and engagement activities

WORKSHOPS AND INFORMATION SESSIONS

TYPE OF ACTIVITY	LOCATION	DETAIL
Industry forum	Lightning Ridge	Lightning Ridge Safety Awareness Course
Industry presentation	Webinar	Closure Planning Practitioners Association – Technical Presentation - NSW Resources Regulator Operational Rehabilitation Reforms
Seminar	Singleton LGA	Emergency Planning Arrangements and EM plan review for mines in the Singleton LGA,
Industry forum	Dubbo	Metalliferous & Quarries Mechanical Engineers Quarterly Forum
Industry forum	Pokolbin	Mechanical Engineers Surface Coal Quarterly Forum
Industry forum	Penrith	Mechanical Engineers Surface Coal Quarterly Meeting
TOTAL		6

Publication and alerts

MEDIA RELEASES, SAFETY BULLETINS AND PUBLICATIONS

TYPE	NUMBER
Enforceable undertaking	2
Gazette	1
Guidance material	14
Investigation information release	3
Investigation report	2
Media release / News item	11
Mine Rehabilitation News	1
Mine safety news	2
Rehabilitation Information Release	1
Reports	3
Safety alert	2
Safety bulletin	1
Video	1
Weekly summary	4
Grand Total	48