



**NSW
Resources
Regulator**

MONTHLY BUSINESS ACTIVITIES REPORT

June 2020



Document control

Published by NSW Resources Regulator

Title: Monthly business activities report – June 2020

First published: July 2020 (data current at 3 July 2020)

Authorised by: Executive Director NSW Resources Regulator

CM9 reference: DOC20/601597-1

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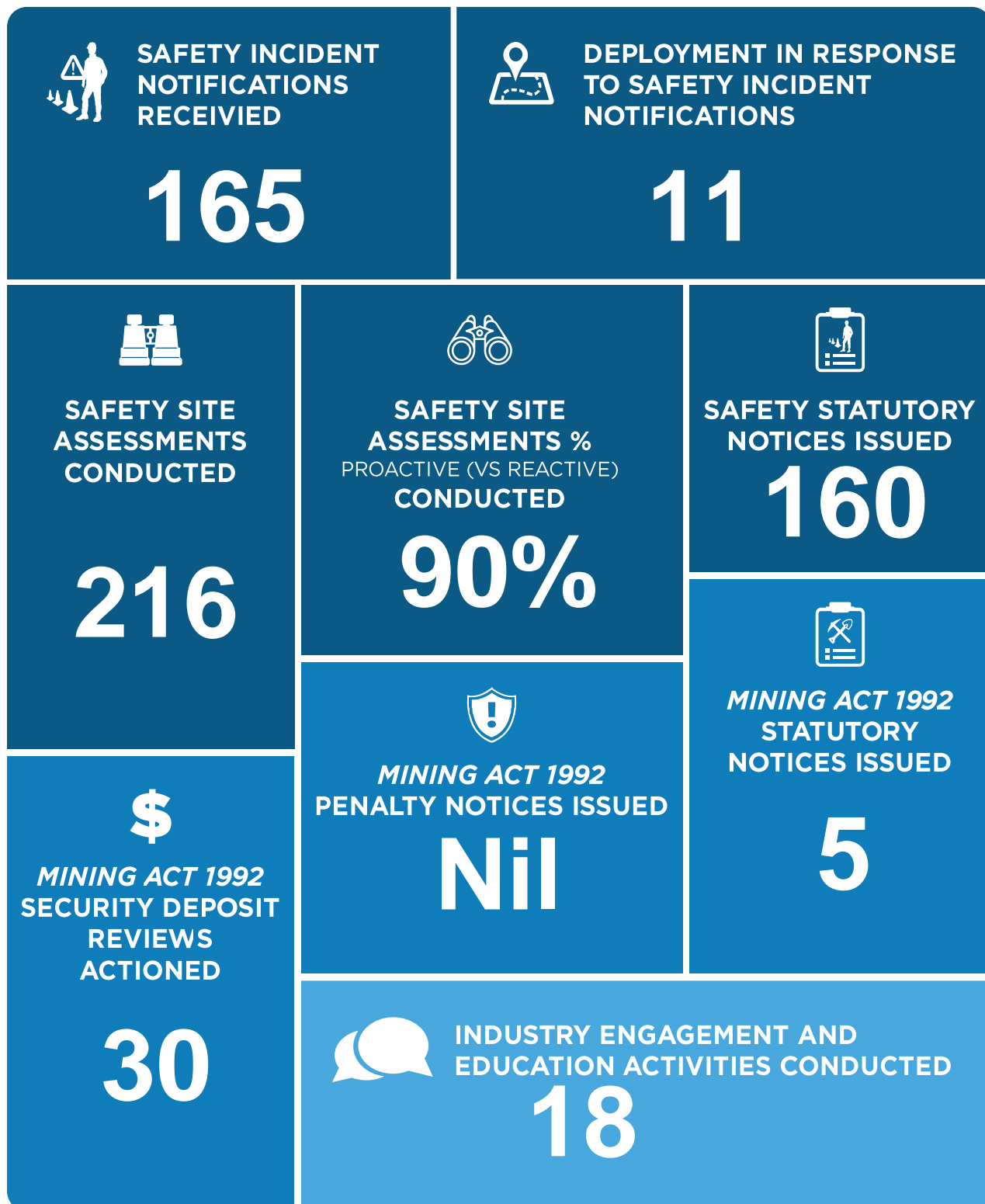
Disclaimer: The data in this report was extracted from the NSW Resources Regulator's compliance database on **3 July 2020**. However, users are reminded that since then, new information may have been received. If you are concerned about the currency of any of the information in the report, please check with the appropriate officer at Regional NSW 2020.

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Activities at a glance

Summary of our regulatory activities June 2020



Business Continuity Plan for COVID-19 pandemic

Throughout June 2020, the NSW Resources Regulator continued to operate under its Business Continuity Plan (BCP) due to the COVID-19 pandemic. In accordance with our BCP, June 2020 has seen a measured return to site-based safety inspection and assessment activities by our inspectorate —subject to strict controls. Face-to-face engagements continued to be suspended. This included oral and written exams for Certificates of Competence.

Key enforcement actions

On the 18 June 2020, the NSW Resources Regulator [commenced proceedings](#) against Tritton Resources Pty Ltd, the operator of Tritton Copper Mine, Hermidale for a haul truck fire which occurred on 23 June 2018. The Regulator alleges that Tritton Resources Pty Ltd failed its duty under section 19(1) of the *Work Health and Safety Act 2011* to ensure, so far as is reasonably practicable, the health and safety of workers while the workers were at work in the Tritton Copper Mine in contravention of section 33 of the Act.

Safety incidents of note



At an underground metalliferous mine, a worker removed a guard adjusting a hose pusher mechanism on a production charge-up unit when an operator moved the mechanism in the charge basket. The worker's fingers were caught in the chain sprocket, resulting in a partial amputation of index finger and loss of the tips of second and third fingers. Isolation and control of all energy sources from plant is essential when adjustments are being undertaken. Engineering controls should be implemented to allow regular tasks to be conducted without the need to remove control measures (guards). Mechanical engineering control plans must set out the control measures for risks associated with moving components on plant.



A major hydraulic oil leak occurred on an excavator at an open cut coal mine, resulting in hydraulic oil spraying onto the turbo and catching fire. The cause of the leak was from a broken flange bolt. The automatic fire suppression system was activated and the excavator operator used a fire extinguisher to extinguish the remaining flames. All components within a system including retaining bolts must be identified and appropriate inspection and change out conducted. When selecting and installing a fire suppression system, the system should cover all likely ignition sources (high temperature areas) so as to extinguish fire in all probable locations



A loader, operating in remote mode at an underground metalliferous mine, caught fire in the ventilation incline (exhaust side) while bogging at the bottom of a new ventilation shaft. The loader's fire suppression system was activated, and three fire extinguishers were used but were unsuccessful in extinguishing the flames. All workers proceeded to refuge chambers and safely exited the mine.

Work health and safety activities

Safety incident notifications

FIGURE 1. SAFETY INCIDENT NOTIFICATIONS RECEIVED BY SECTOR – JUNE 2019 TO JUNE 2020

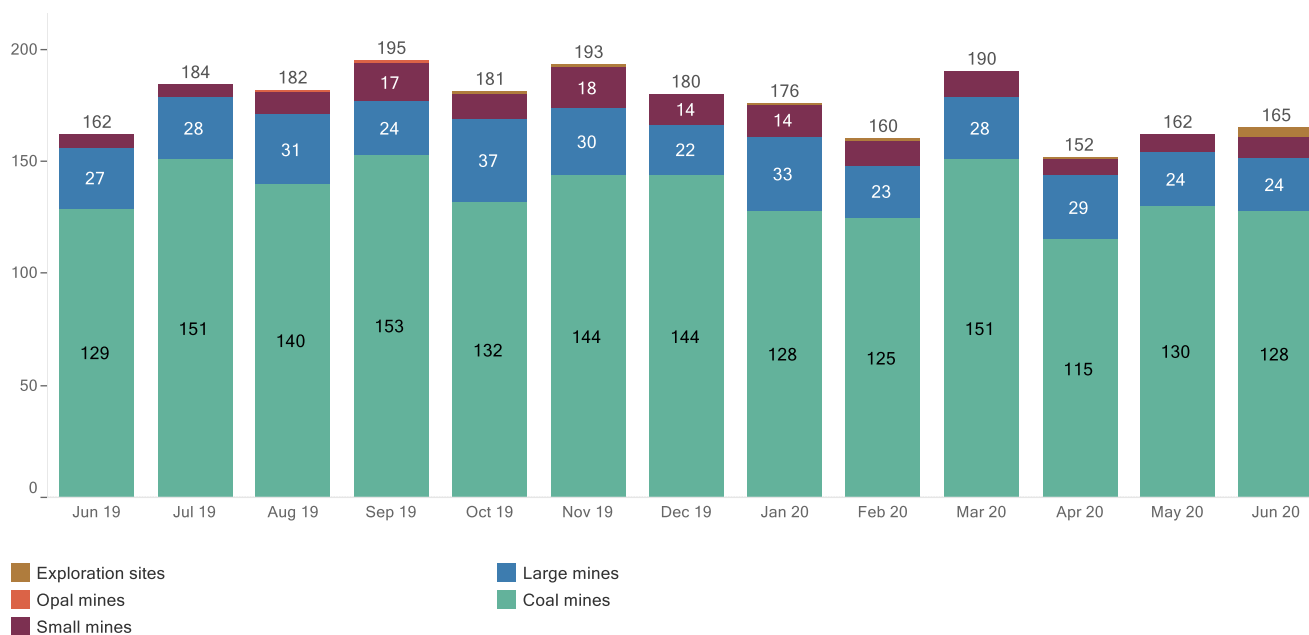


TABLE 1. DETAILS OF SAFETY INCIDENTS WHERE INSPECTORS WERE DEPLOYED - JUNE 2020

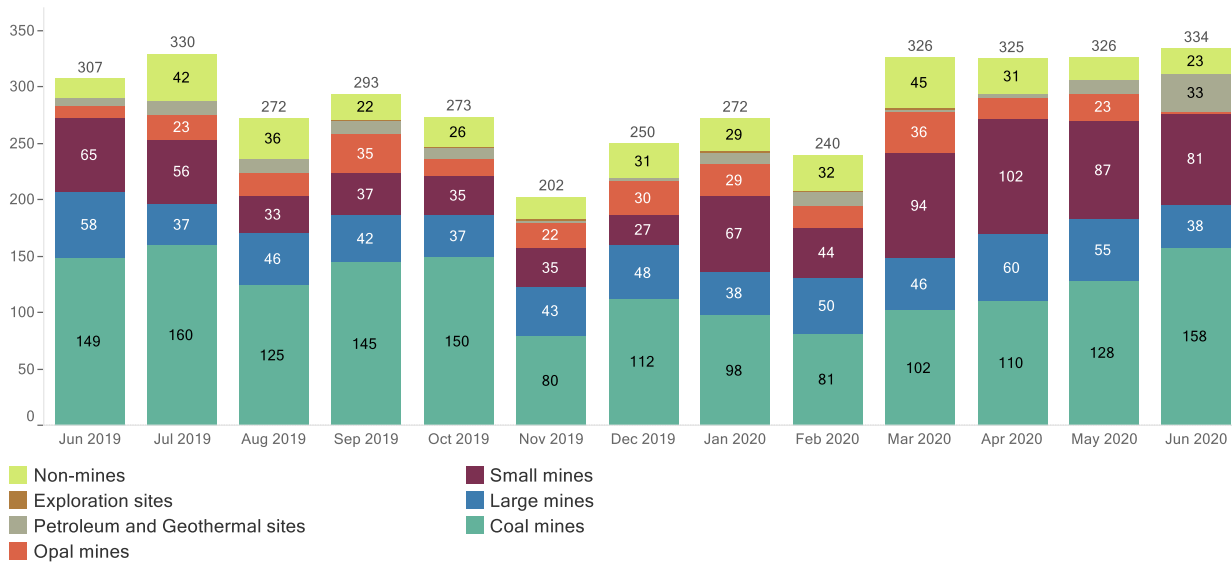
DATE NOTIFIED	SECTOR	INCIDENT
5 June	Small mines – Metalliferous, Quarries and Other Gemstones	After arriving at the mine, a worker was not able to exit his vehicle requiring medical attention.
5 June	Coal mines	During site-based sampling for respirable dust/silica (completed in addition to coal Services Order 42), a maintenance worker exceeded the occupational exposure limit for respirable dust and silica. The worker recorded a respirable dust result of 4.18 mg/m ³ and a respirable silica reading of 0.3507 mg/m ³ . Workers tasks included conducting a service on 102 dragline including MG sets blow out using compressed air for 2 hours and rope work on dragline 103. The worker was wearing PAPR while conducting the blow outs.
5 June	Coal mines	During site based sampling for respirable dust/silica (completed in addition to coal Services Order 42), a maintenance worker exceeded the occupational exposure limit for respirable silica. The worker recorded a respirable silica reading of 0.1509 mg/m ³ . Workers tasks included conducting a service on Komatsu truck 762 including electrical

DATE NOTIFIED	SECTOR	INCIDENT
		cabinet blow outs using compressed air and a service on CAT truck 429. The worker was wearing PAPR while conducting the blow outs.
14 June	Coal mines	Workers were lowering a shovel cable from a cable tower in an open cut mine when the shovel tower rope broke and the cable fell to the ground. The cable tower rope was attached to the ripper of a grader to lower the cable and the cable was being pulled at an angle. It was dark and wet at the time of the incident. The shovel tower brake mechanism was thrown about 60 metres and hit a supervisor on the hand. The supervisor, who was standing about 3 metres from the tower, suffered hand fractures.
16 June	Large mines – Metalliferous and Quarries	A service truck was driving down the main ramp of an open cut mine when the brakes failed. In order to bring the truck to a halt, the driver turned the truck into the wall. The driver received lacerations to his forehead and bruising to his face. The service truck is a modified flatbed diesel on-road truck.
20 June	Large mines – Metalliferous and Quarries	A loader, operating in remote mode, caught fire in the ventilation incline (exhaust side) while bogging at the bottom of a new ventilation shaft. The loader's fire suppression system was activated, and three fire extinguishers were used but were unsuccessful in extinguishing the flames. All workers proceeded to refuge chambers and safely exited the mine.
24 June	Coal mines	While working in the pillar panel at the face workers were knocked off their feet by a "wind suck" back towards the goaf. One of the workers received abrasions to hands and back.
29 June	Large mines – Metalliferous and Quarries	A worker was struck on the hard hat by a "scat" of roof material while installing ground support. It is believed that the worker was knocked unconscious for a short period of time.
30 June	Coal mines	A dozer was pushing on top of a windrow after cleaning up edge of road. During this process a rock has dislodged from the windrow and fallen to the bench below. The rock landed on the catch windrow and came to rest at the toe of the catch windrow next to the lighting plant.
30 June	Coal mines	An operator noticed some smaller rocks flaking off the low wall dragline spoil. The operator contacted the OCE and directed to walk the excavator off the bench and out of the area until low wall was inspected. On clearing noticed the low wall of dragline spoil had slumped, shifting the toe of rill possibly 2 metres along a 30 metre section.
30 June	Coal mines	A Kenworth rigid tipper truck rolled over. The driver was injured.
Total		11

Safety assessments

Safety assessments commenced

FIGURE 2. SAFETY ASSESSMENTS COMMENCED BY SECTOR - JUNE 2019 TO JUNE 2020



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 requests are reported as reactive assessments.

In June 2020, 62% of all site and desktop safety assessments were proactive. Of the 216 site assessments conducted, 90% were proactive.

FIGURE 3. SAFETY ASSESSMENTS COMMENCED BY CATEGORY AND NATURE - JUNE 2019 TO JUNE 2020

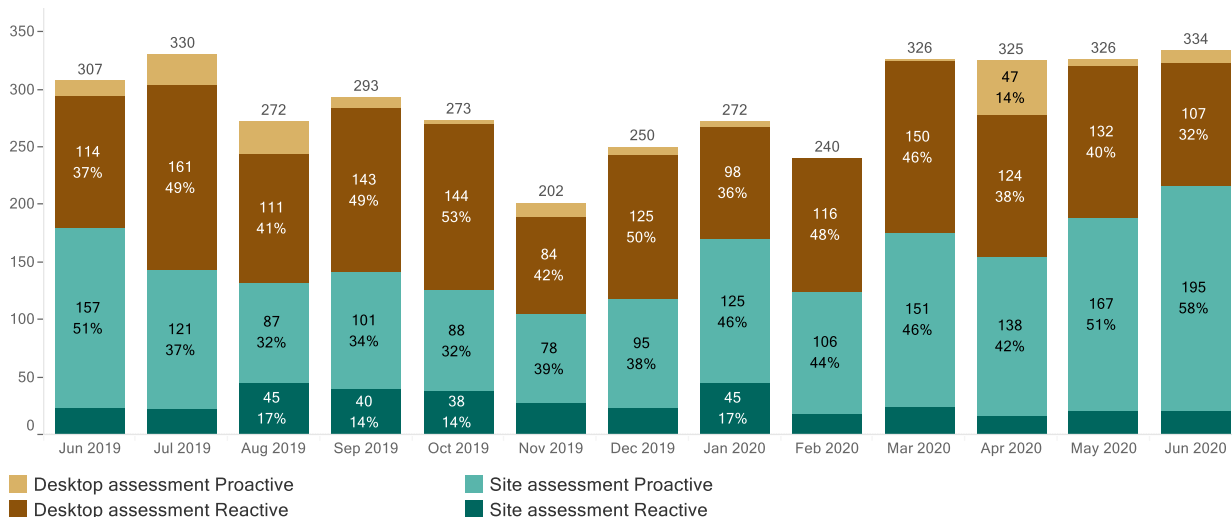
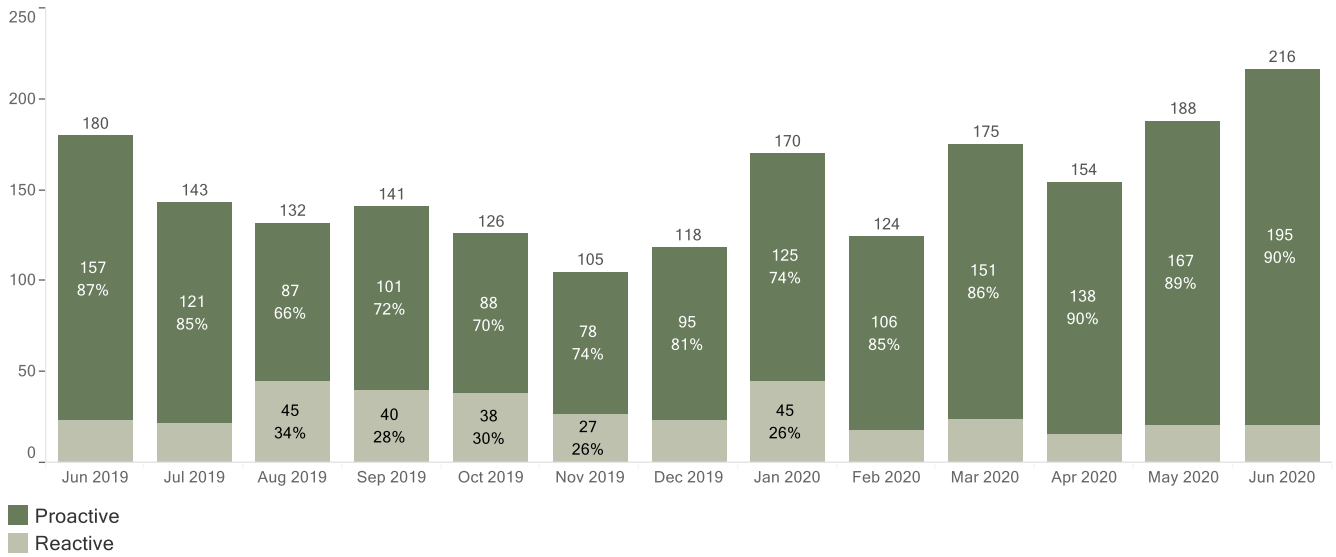


FIGURE 4. SAFETY SITE ASSESSMENTS COMMENCED BY NATURE - JUNE 2019 TO JUNE 2020



Safety site targeted assessment program

FIGURE 5. TARGETED SAFETY SITE ASSESSMENTS COMMENCED - JUNE 2019 TO JUNE 2020

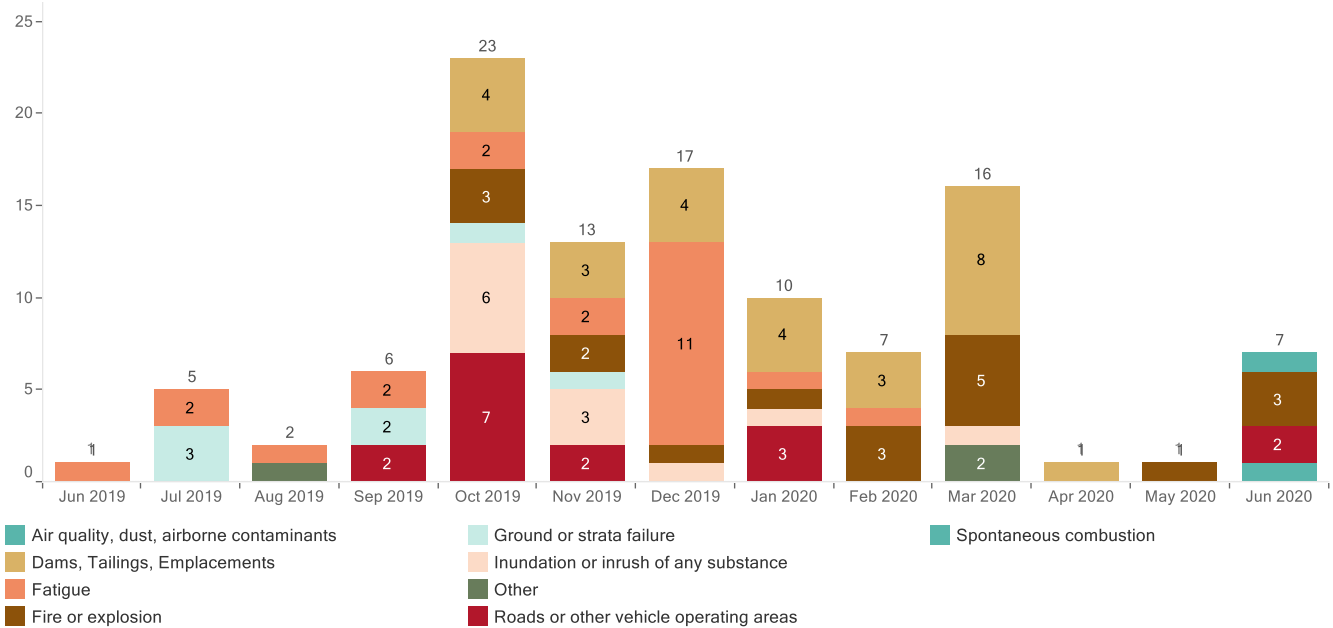


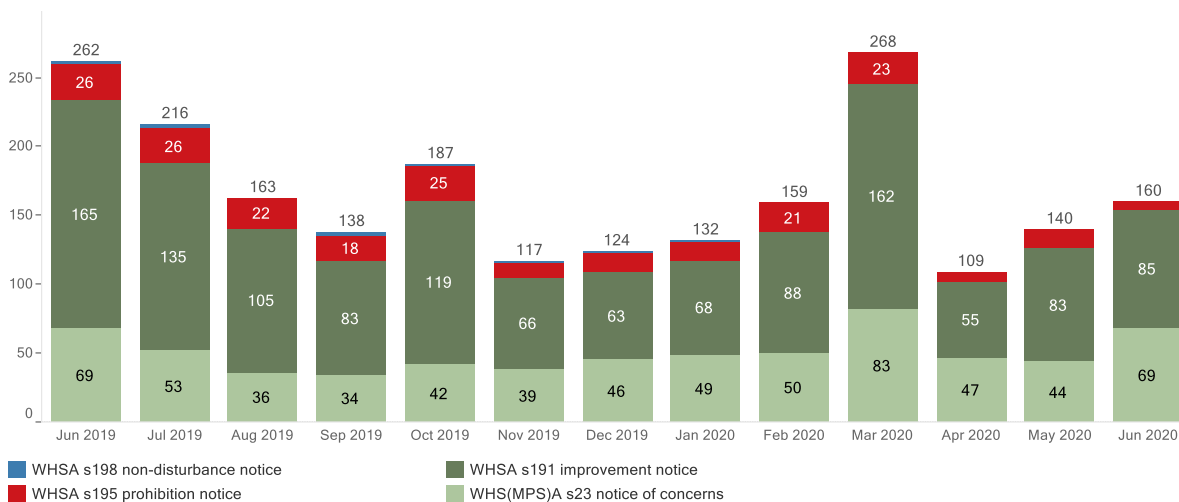
TABLE 2. DETAILS OF TARGETED SAFETY SITE ASSESSMENTS - JUNE 2020

HAZARD	SECTOR	MINE
Air quality, dust, airborne contaminants	Coal mines	Liddell coal operations
Fire or explosion	Coal mines	Mangoola coal mine
		Dendrobium colliery
		Springvale underground mine
Roads or other vehicle operating areas	Coal mines	Mount Thorley Warkworth operations
	Large mines	Ginkgo mineral sands mine
Spontaneous combustion	Coal mines	Ulan underground mine
TOTAL		7

Safety compliance activities

Safety notices issued

FIGURE 6. SAFETY NOTICES ISSUED BY NOTICE TYPE - JUNE 2019 TO JUNE 2020



Prohibition notices issued

In June 2020, six prohibition notices were issued under section 195 of the *Work Health and Safety Act 2011*.

TABLE 3. PROHIBITION NOTICES ISSUED – JUNE 2020

ISSUED TO PCBU*	MINE LOCATION	PROHIBITED ACTIVITY
Peak Gold Mines Pty Limited	Peak Gold Mine	The use of the production charge up unit (Orica Hyper Charge) for production purposes. This notice does not prevent the production charge up unit from being powered and relocated to an underground workshop for the purposes of completing the incident investigation.
Dendrobium Coal Pty Ltd	Dendrobium Colliery	Metering calibration checks on energised electrical equipment, as described in High Risk Activity Notification, Ref: SHRA0001340, without conducting a site specific risk assessment.
Anthony Leeder	MC60905	Entering old disused workings that have no secondary support and insufficient primary support.
Mt Arthur Coal Pty Limited	Mt Arthur North - (incl CHPP)	Raising and lowering of electrical cables by means of cable towers within the mining area.
Wollongong Coal Limited	Russell Vale Colliery	Work at the return airway recovery site in a heading outbye of 1ct referred to as the "Cathedral" that involves loading out of fallen materials and extension of the steel set and lagging false support system passed the existing 19 th set support system passed the existing 19th set.
Clarence Coal Pty Limited	Clarence Colliery	Secondary extraction between 23 to 24 c/t - sequences inclusive of the remainder of 196, 197 and inbye 23c/t sequence lifts of 198, 199.
TOTAL		6

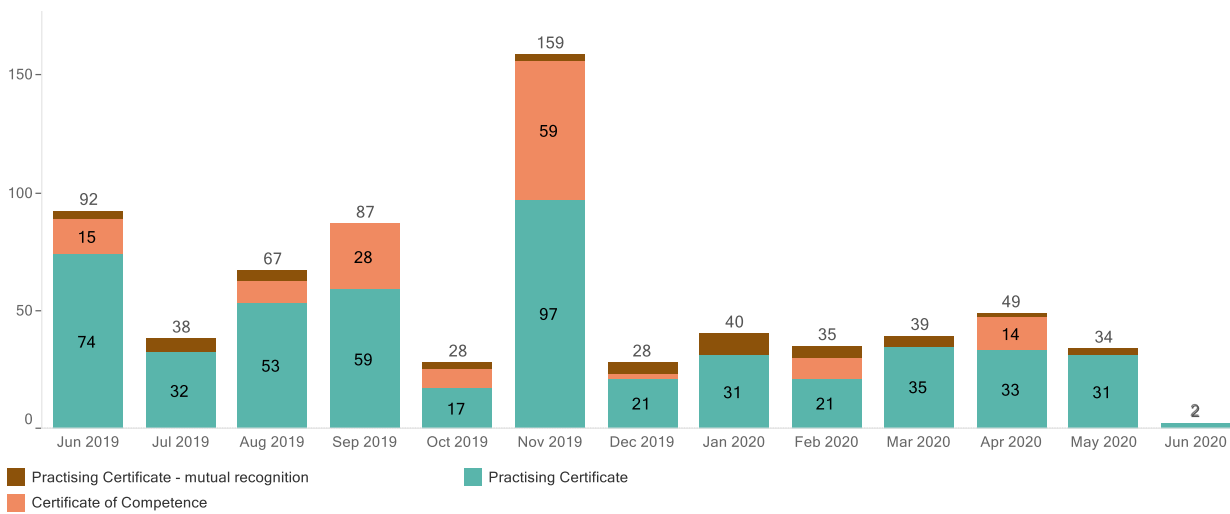
* Person conducting business or undertaking

Safety mining competencies activities

Competence and practising certificates granted

Safety mining competence activities include certificate of competence (mutual recognition). In June 2020, two practising certificates for mutual recognition were granted.

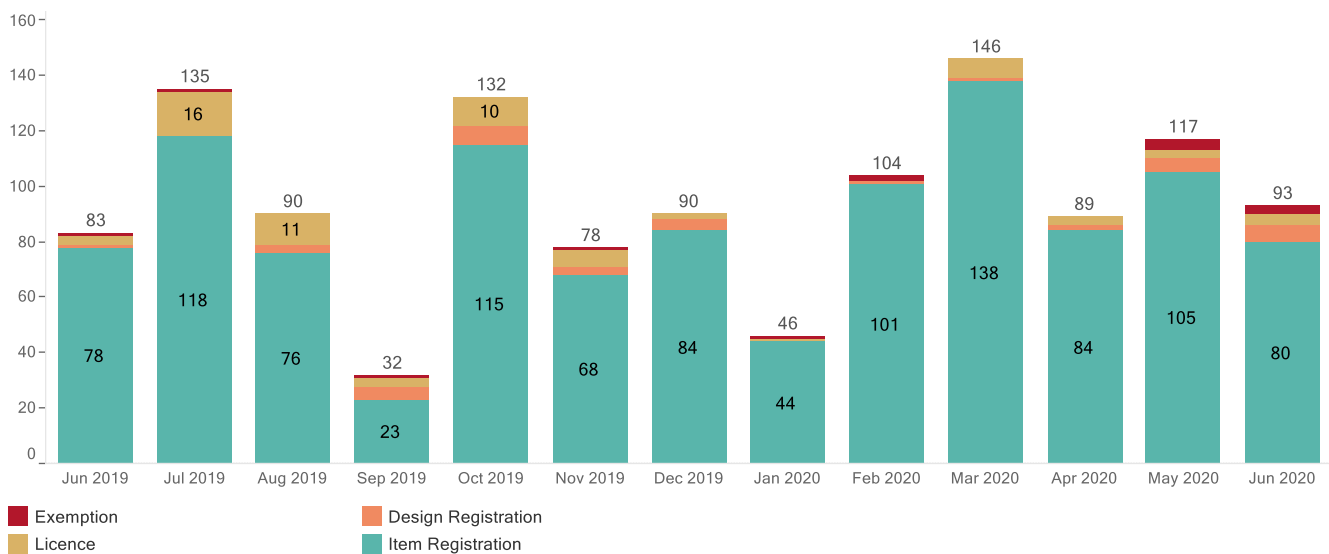
FIGURE 7. COMPETENCE AND PRACTISING CERTIFICATES GRANTED - JUNE 2019 TO JUNE 2020



Safety mining authorisation activities

Safety mining authorisations include licence applications to carry out prescribed high-level activities, plant item registrations, design registrations and exemptions. During June, 80 item registrations, four licences, six design registrations and three exemptions were granted.

FIGURE 8 MINING AUTHORISATIONS GRANTED - JUNE 2019 TO JUNE 2020



High risk notifications

In June 2020, the NSW Resources Regulator received eight high risk notifications under clause 33 of the Work Health and Safety (Mines and Petroleum Sites) Regulation 2014.

FIGURE 9. HIGH RISK ACTIVITY NOTIFICATIONS BY ENGINEERING DISCIPLINE – JUNE 2020 TO JUNE 2020

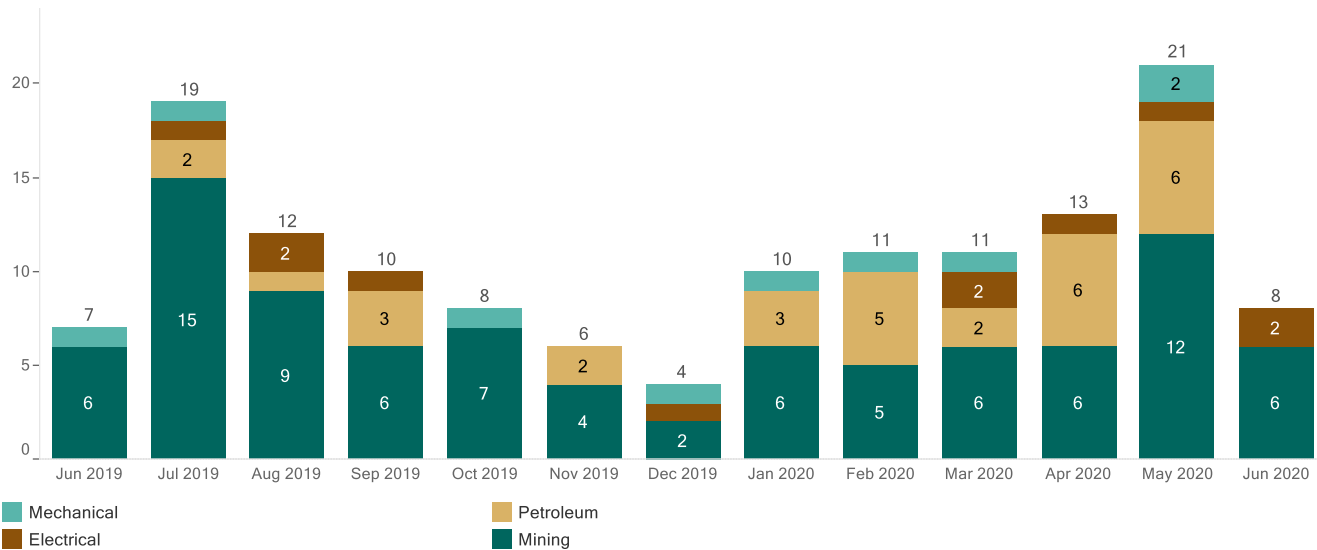


TABLE 4. HIGH RISK ACTIVITY NOTIFICATIONS RECEIVED – JUNE 2020

MINE	LEGISLATION*	TYPE OF NOTIFICATION	NO.
Bulga Surface Operations	Schedule 3 Clause 29	Barrier mining	1
Appin Colliery	Schedule 3 Clause 15	The formation of a pillar other than a conforming pillar	1
Dendrobium Colliery	Schedule 3 Clause 2	Electrical work on energised electrical equipment	1
Springvale Mine Underground Operation	Schedule 3 Clause 7(2)(b)	Working in inrush control zone - potential source of inrush cannot be inspected	1
Cowal Gold Mine	Schedule 3 Clause 35	The establishment, operation, alteration or decommissioning of a tailings storage facility	1
Springvale Mine Underground Operation	Schedule 3 Clause 15	The formation of a pillar other than a conforming pillar	1
Springvale Mine Underground Operation	Schedule 3 Clause 16(1)(a)	secondary extraction by longwall mining, shortwall mining or miniwall mining	1
Integra Underground	Schedule 3 Clause 15	The formation of a pillar other than a conforming pillar	1
TOTAL			8

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

Mining Act regulatory activities

Mining Act assessments

Proactive and reactive Mining Act assessments

The NSW Resources Regulator undertakes 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 actions requests.

FIGURE 10. MINING ACT ASSESSMENTS COMMENCED BY CATEGORY AND NATURE JUNE 2019 TO JUNE 2020*

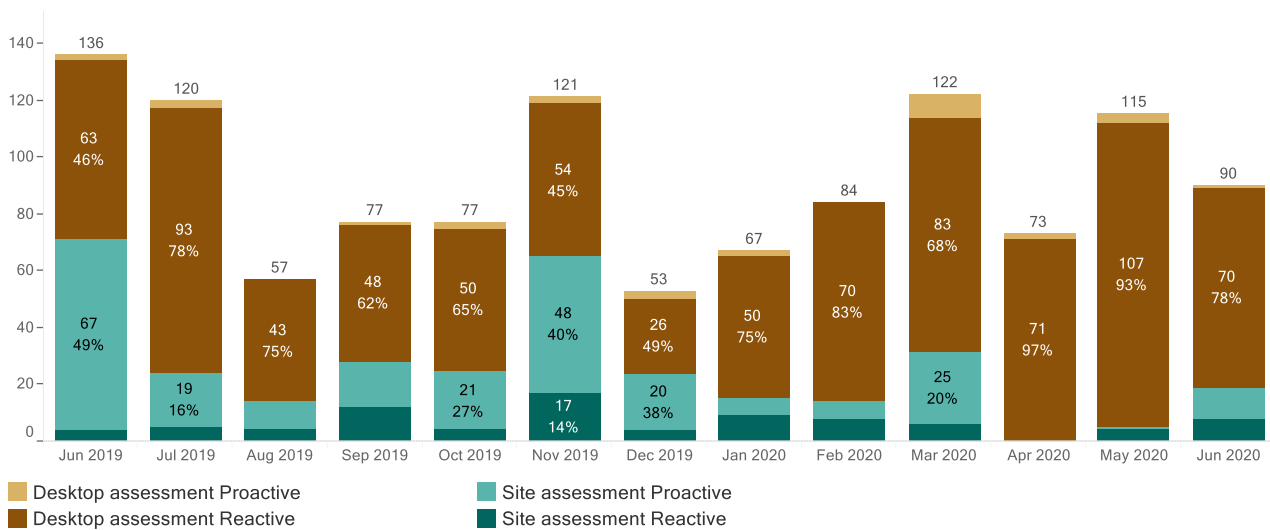
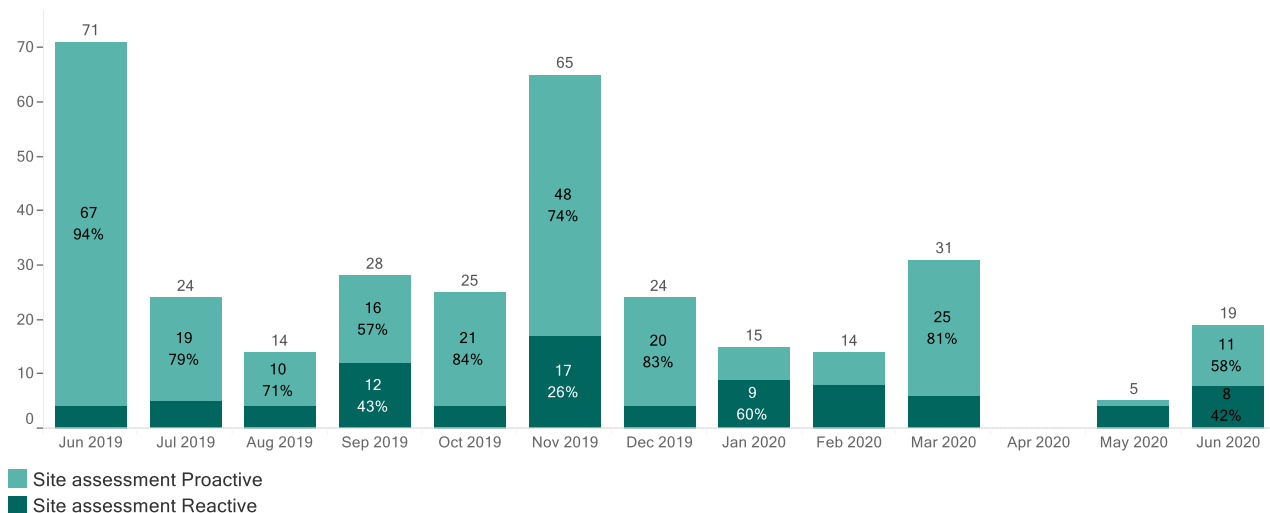


FIGURE 11. MINING ACT SITE ASSESSMENTS COMMENCED BY NATURE - JUNE 2019 TO JUNE 2020

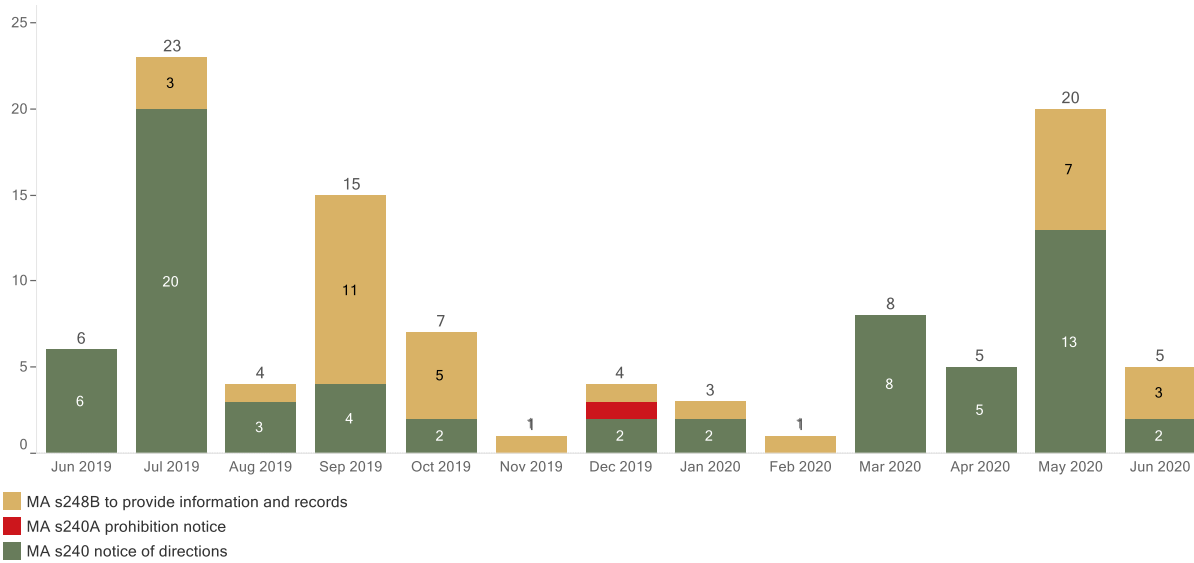


Mining Act compliance activities

Mining Act statutory notices

In June 2020, the NSW Resources Regulator issued five statutory notices under the *Mining Act 1992*.

FIGURE 12. MINING ACT STATUTORY NOTICES ISSUED BY NOTICE TYPE - JUNE 2019 TO JUNE 2020



Further details below on the notice of directions issued under section 240 of the *Mining Act 1991*.

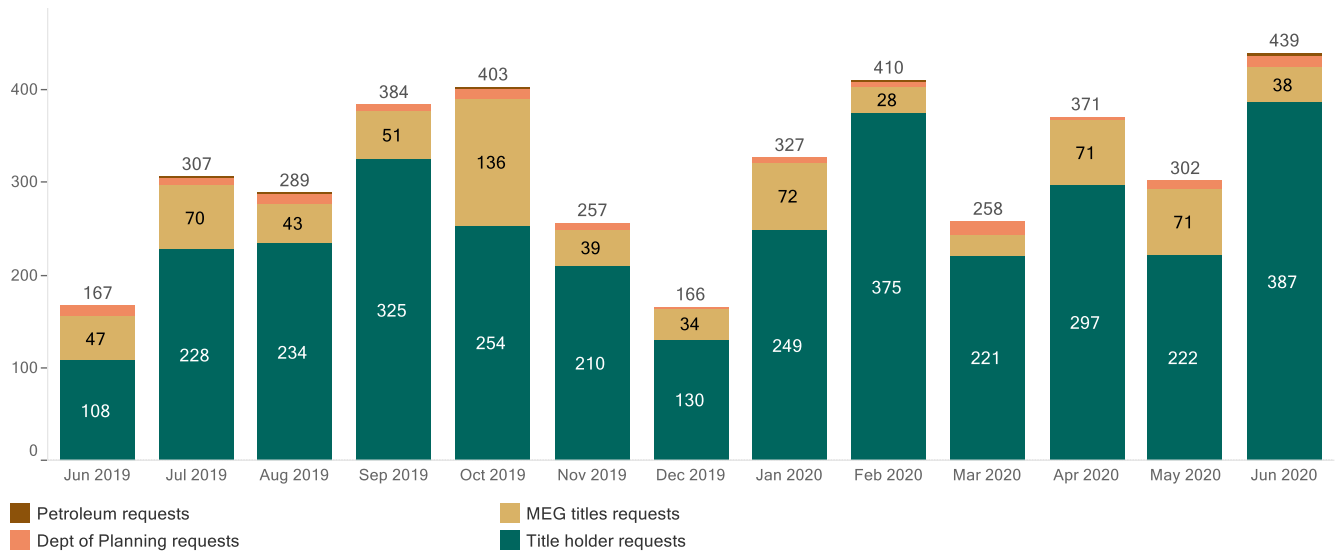
TABLE 5. NOTICES OF DIRECTIONS ISSUED DETAILS - JUNE 2020

ISSUED TO	LOCATION	SECTION 240 OF THE <i>MINING ACT 1992</i> DIRECTION
Austar Coal Mine Pty Limited	Austar Coal Mine	<p>1. Submit a Mining Operations Plan for the care and maintenance activities at Austar Mine. The MOP must:</p> <p>a) be prepared in accordance with ESG3: Mining Operations Plan (MOP)</p> <p>b) include details of key activities including environmental measures (such as sediment/erosion control, water management, rehabilitation maintenance, dust control, spontaneous combustion management etc.) to be either modified or continued during the care and maintenance period.</p> <p>c) include details of the results/implications of the environmental risk assessment for change in operations and amendment of relevant sections in the MOP.</p> <p>d) Include a progressive rehabilitation schedule and revegetation/habitat maintenance activities proposed during the care and maintenance phase.</p> <p>e) Include a detailed strategy (including timeframes) for development of a final closure plan (e.g. confirming capping strategies for the REA, development of mine sealing designs, preliminary contamination assessments, removal of redundant plant and equipment, rationalisation of surface storage areas, rehabilitation of redundant areas etc.).</p> <p>f) The MOP must be accompanied by a Rehabilitation Cost Estimate (RCE) for the authorisations prepared in accordance with the Department Guideline.</p> <p>g) The MOP and RCE are to be submitted electronically to the Regulator.</p>
Centennial Myuna Pty Limited	Myuna Colliery Complex	<p>a) Submit an updated Rehabilitation Cost Estimate (RCE) for Myuna Colliery, Authorisations ML1632, ML1370 and MPL334, prepared in accordance with Department Guideline & ESG1: Rehabilitation Cost Estimate Guidelines (June 2017) and which utilises the Departments Rehabilitation Cost Estimation Tool (May 2019).</p> <p>b) The RCE needs to be consistent with the approved final land use outcomes.</p>
TOTAL		2

Mining Act request for service

In June 2020, the NSW Resources Regulator actioned 439 requests for service. This included 387 requests from titleholders, 38 from NSW Mining, Exploration and Geoscience concerning the administration of mining authorisations and 11 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*.

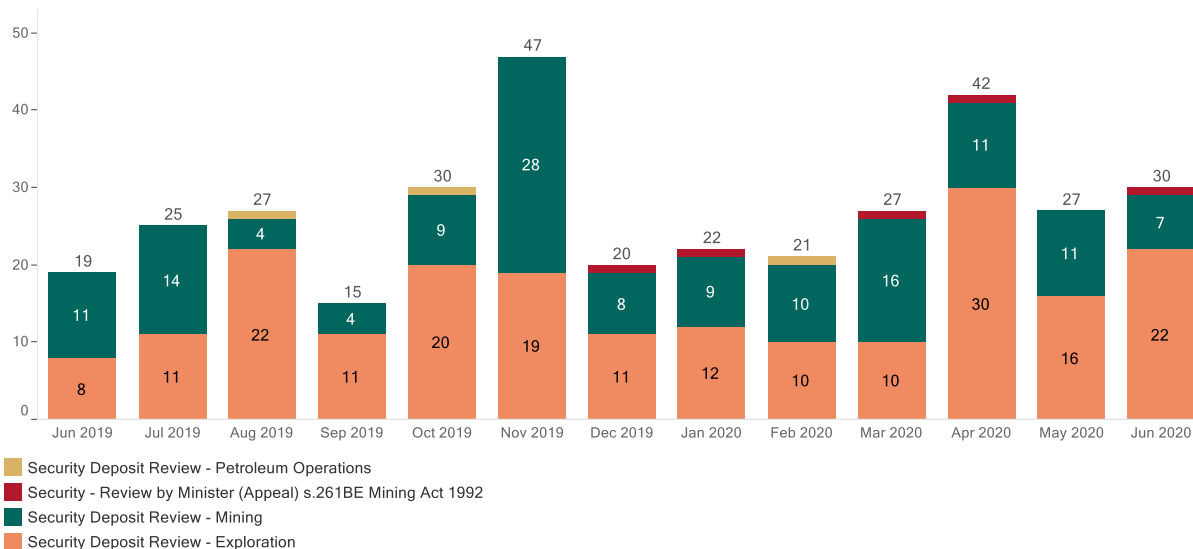
FIGURE 13. MINING ACT REQUESTS FOR SERVICE ACTIONED BY SOURCE – JUNE 2019 TO JUNE 2020



Security deposit reviews

When an authorisation holder applies to vary approved activities under the *Mining Act 1992*, the NSW Resources Regulator undertakes a security deposit review.

FIGURE 14. SECURITY DEPOSIT REVIEWS COMPLETED – JUNE 2019 TO JUNE 2020



Safety legislation and Mining Act notified compliance concerns

The NSW Resources Regulator uses a variety of enforcement tools under work, health and safety legislation and the *Mining Act 1992* to ensure compliance. The approach taken depends on the significance and impacts of the breach, the tools available under the legislation and the NSW Resources Regulator’s [compliance and enforcement approach](#).

Safety non-compliance breaches

In June 2020, one non-compliance breach was determined under work health and safety legislation.

FIGURE 15. SAFETY COMPLIANCE CONCERN BREACHES SUSTAINED BY CATEGORY - JUNE 2019 TO JUNE 2020

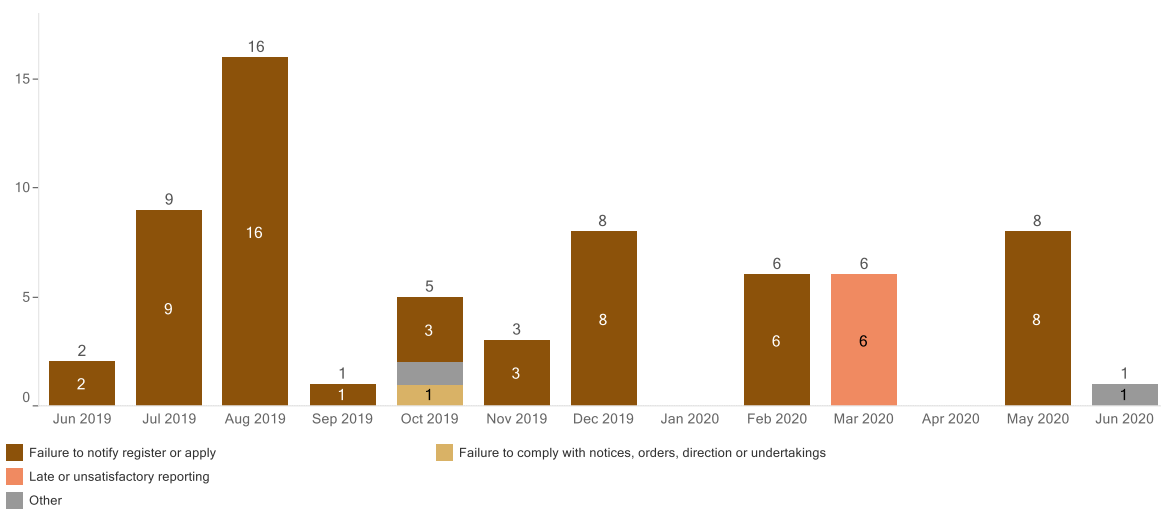
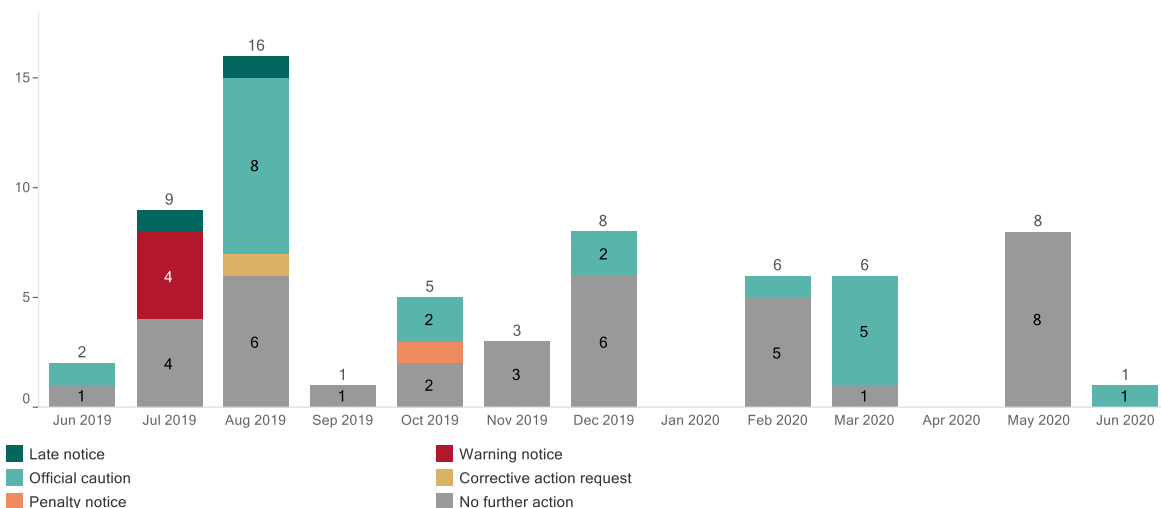


FIGURE 16. SAFETY NON-COMPLIANCE BREACHES SUSTAINED BY REGULATORY RESPONSE - APRIL 2019 TO APRIL 2020

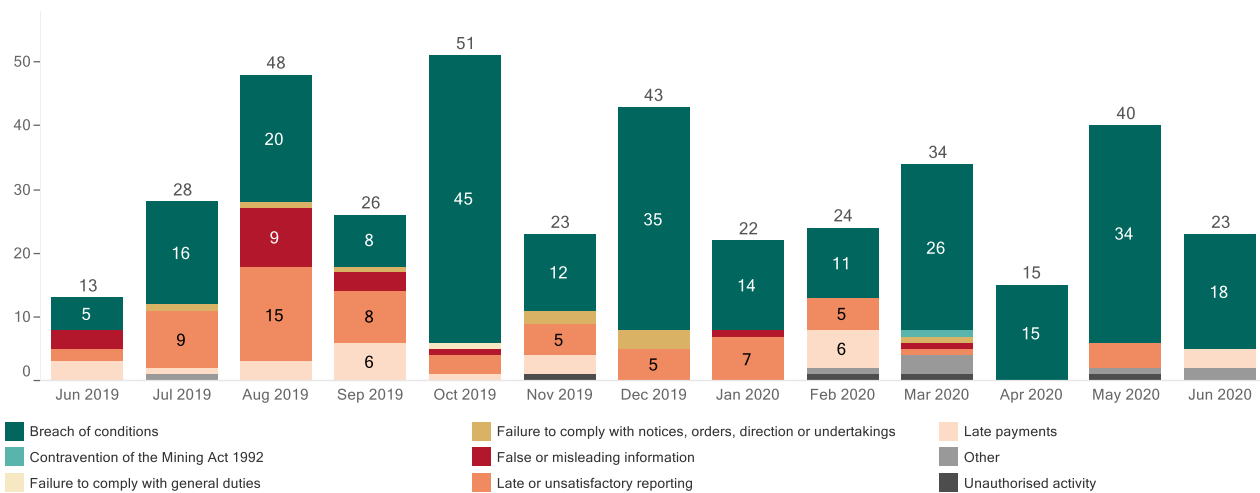


Mining Act non-compliance breaches

Non-compliance breaches by category

The compliance categories shown in the graph below is not exhaustive.

FIGURE 17. MINING ACT 1992 NON-COMPLIANCE BREACHES SUSTAINED BY CATEGORY - JUNE 2019 TO JUNE 2020



Non-compliance breaches by regulatory response

In June 2020, the NSW Resources Regulator finalised 23 breaches which resulted in one [cancelled title](#), five official cautions and 16 no further action for sustained non-compliance breaches under the *Mining Act 1992*.

FIGURE 18. MINING ACT 1992 NON-COMPLIANCE BREACHES SUSTAINED BY REGULATORY RESPONSE - JUNE 2019 TO JUNE 2020

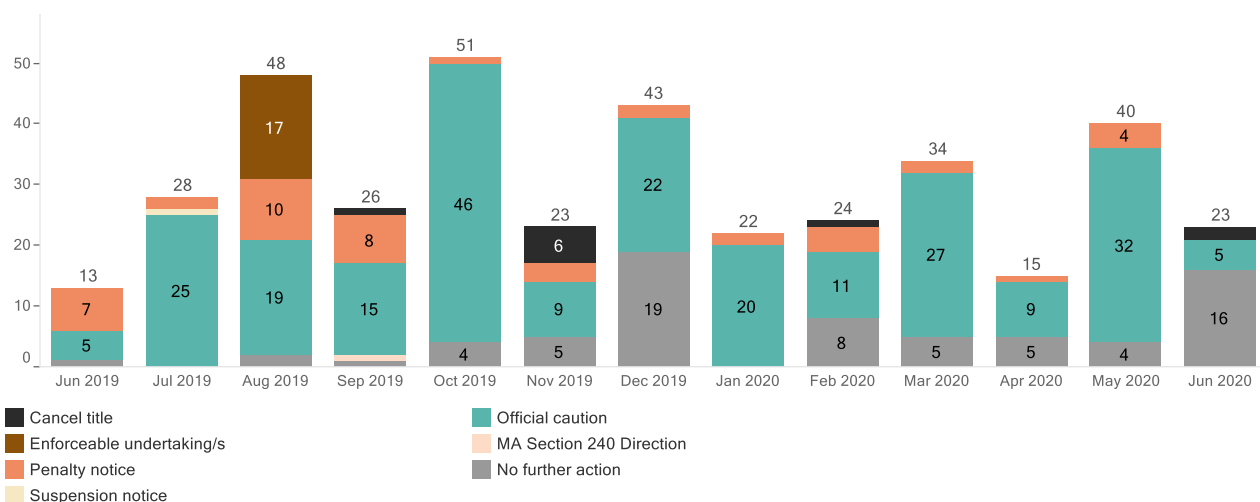


TABLE 6. KEY MINING ACT 1992 ENFORCEMENT ACTIONS – JUNE 2020

Date	Entity	Authority	Action	Amount	Allegation/Finding
5 June	Individuals – (Martins Creek Gold mine)	ML1127	Cancel authorisation	N/A	See website - https://www.resourcesregulator.nsw.gov.au/compliance-and-enforcement/mining-act-cancellations-and-suspensions

1

Industry engagement activities

The Resources Regulator’s industry engagement activities for June 2020 are outlined below.

Committees and other industry body involvement

In June 2020, the Resources Regulator participated in the following committees and working groups.

TABLE 7. COMMITTEES AND OTHER INDUSTRY BODY INVOLVEMENT - JUNE 2020

DATE	COMMITTEE/BODY	DETAIL
1 June	Local Emergency Management Committee (LEMC) Cobar	Local Emergency Management Committee via teleconference.
2 June	EMESRT – fires	Meeting of industry group focused on fires on mobile plant (FOMP).
2 June	LEMC – Orange/Cabonne	Local Emergency Management Committee via teleconference.
2 June	REMC – Far West	Regional Emergency Management Committee via teleconference.
3 June	LEMC – Illawarra	Local Emergency Management Committee via teleconference.
4 June	REMC – Far West and Central West	Regional Emergency Management Committee via teleconference.
15 June	LEMC – Cobar	Regional Emergency Management Committee via teleconference.
16 June	Exercise for LEMC - Cobar	Exercise based on an underground mine emergency facilitated by RR staff for the Cobar LEMC. Emergency Services, local agencies, NSW Health and local mines involved. Exercise run via Skype.
17 June	BOSSI and Spatial Information committee	Digital Survey Plans.
18 June	ME-018	Mining Equipment Australian Standard Committee meeting.
19 June	Radiation Council	Meeting.
23 June	NSW Dam Safety Board Meeting	
23 June	Meeting with Better Regulation	WHS Legislative Program.

DATE	COMMITTEE/BODY	DETAIL
23 June	AS/NZS 2081	Australian Standards Meeting for AS/NZS2081 - Electrical Protection Design for mines and quarries.
23 June	EL23-12	Developing standard for battery powered vehicles underground.
30 June	EL-023-01	Australian Standards working group video conference meeting for review of Australian Standard AS/NZS 2081.
30 June	ME-005	Cranes Australian Standards Committee meeting.
TOTAL		17

External education and engagement activities

TABLE 8. WORKSHOPS AND INFORMATION SESSIONS - JUNE 2020

DATE	TYPE OF ACTIVITY	LOCATION	DETAIL
29 June	Industry Forum	Teleconference	Mining Act Inspectorate engaged with proponents to discuss opportunities to engage early in project development for mine design issues relating to rehabilitation and mine closure.
TOTAL			1

Publications and alerts

TABLE 9. MEDIA RELEASES, SAFETY BULLETINS AND PUBLICATIONS JUNE 2020

DATE	TYPE	SUMMARY
2 June	Webpage	Exploration under the WHS (Mines) laws
2 June	Guide	Exploration, prospecting and WHS
4 June	Report	Quarterly safety report January to March 2020
4 June	Rehabilitation Information Release	RIR Fieldsend Clay Mine returns to bushland
5 June	Webpage	WHS reports
5 June	Investigation Information release	IIR20-07 Wambo
5 June	Guide	WHS class exemption WHS reporting
5 June	Gazette	WHS class exemption WHS reporting
5 June	Fact sheet	exemptions
9 June	Webpage	Mining Act statutory decisions
9 June	Safety alert	SA20-07 QDS pods slide off dolly cart
10 June	Webpage	Tailings leading practice questions and answers
12 June	Guide	Candidates- learning best practice guide
12 June	Guide	Employers – learning best practice guide
12 June	Webpage	Exam preparation
12 June	Webpage	Briefing sessions and exam dates
12 June	Form	Notifying the regulator of a high risk activity
15 June	Webpage	High risk activities notification
18 June	Investigation Information	IIR20-08 Workers arm injured in belt press filter

DATE	TYPE	SUMMARY
22 June	Video	Learning from investigations: Tyre handler facility, Bengalla coal mine
22 June	Report	Investigation report into the death of Quinton Moore
22 June	Rehabilitation information release	RIR20-05 Ulan coal mine
22 June	Media release	Prosecution proceedings commence against Tritton Resources
23 June	News item	Causal investigation – partial collapse of a ventilation shaft
24 June	News item	Learning from investigations – tyre handler facility
TOTAL		25