

Note: During incidents or planning prescribed burning operations this plan should be used in conjunction with field reconnaissance, operation and incident plans, and aerial /satellite imagery.



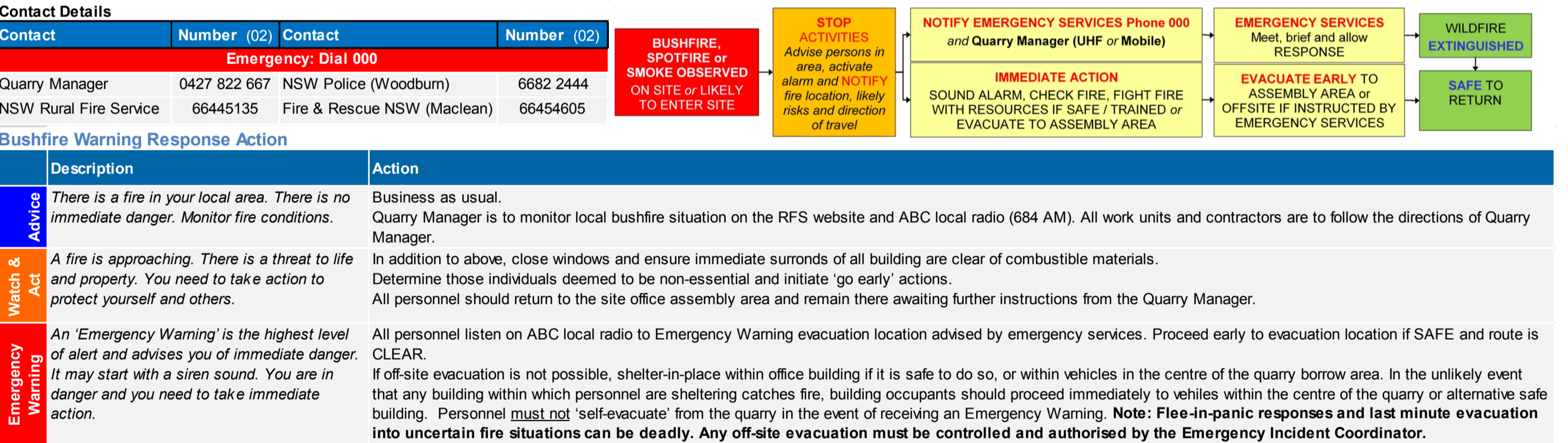
CLIENTS | PEOPLE | PERFORMANCE

Location and Facility (area)	Sly's Quarry is located at Lot 2 DP1055044 Tullymorgan-Jackybulbin Road, Mororo - approximately 25 km N of Maclean The Quarry is an open cut quarry to be expanded to a 18 hectare project area. The quarry will include an active borrow pit with supporting infrastructure including office, sediment and water supply dams, loading, maintenance and storage facilities, powerline, and access and parking areas.
Fire season / danger period	1 October to 31 March - unless brought forward to 1 September by Commissioner NSWRFs
Bushfire prone	The site is bushfire prone, with bushfire prone vegetation occurring within and adjoining the property.
Vegetation	The area surrounding the property is largely comprised of Blackbutt (<i>Eucalyptus pilularis</i>) dominated dry heathy tall open forest. A mix of agricultural lands and conservation reserves east are located to the east. Continuous woody forested vegetation within native forests are located in the landscape surrounding the site.
Bushfire risk factor summary	The highest risk fires for the site occur under southerly, westerly and northerly wind influences, where a fire is burning in the adjacent forested area and burns into the site. Fires occurring under such conditions are capable of generating life and property threats. Fuel reduced areas to the east through agriculture will partially mitigate the fire risk.

Work Type	Location	Zone	Standard	Timing	Responsibility	Procedures
Asset inspection, maintenance and seasonal bushfire preparedness	Shed / site office	Inner Protection Zone (IPA) (of an Asset Protection Zone (APZ)) - 21m to the east & 27m to the south	NSWRFS Standards for APZs (see www.rfs.nsw.gov.au/_data/assets/pdf.../Standards-for-Asset-Protection-Zones)	Annual inspection and works completed prior to the bushfire danger period, and monthly within the bushfire danger period	Quarry Manager	Refer to NSWRFS Standard - An IPA should provide a tree canopy cover of less than 15% and should be located greater than 2 metres from any part of the roofline of a dwelling/structure. Garden beds of flammable shrubs are not to be located under trees and should be no closer than 10 metres from an exposed window or door. Trees should have lower limbs removed up to a height of 2 metres above the ground.
	Mulch stockpiles	IPA of 20m on all sides				
	Fuel storage	IPA of 100m on all sides				
	Inspection and maintenance of site access trails	All site access trails	NSWRFS Fire Trail Standards (www.rfs.nsw.gov.au/_data/assets/pdf.../Policy-2-2007-Fire-Trails.pdf)	Works completed prior to the bushfire danger period	Quarry Manager	Inspect access roads and trails (drainage, surface conditions, vegetation), identify and implement any maintenance required to meet the standard. As a working quarry access trails currently exceed NSWRFS standards with all access trails capable of supporting a Category One (Heavy) fire tanker

Awareness activity/ product	Detail	Responsibility
Site induction process	Induction of new staff members, contractors, visitors and site users to include bushfire awareness, reporting and response actions to fire danger, and evacuation procedures	Quarry Manager
Staff briefings and pre-season drills	As part of fire and emergency procedures tool-box talk for all Quarry staff at the start of each fire season.	Quarry Manager
Liaison and drills with local RFS / site arrangements review	Annually prior to the bushfire season (August) invite NSWRFs representatives on-site for site familiarisation and liaison - running through procedures and operations detailed in this plan	Quarry Manager
Fire danger awareness	Monitor and advice staff on days of Very High fire danger (or greater) OR of any official fire warning issued for the site. Site supervisor or delegate to monitor ABC local radio (ABC Grafton 738AM 92.3FM) for fire warnings and NSWRFs website for fire danger ratings and warnings.	Quarry Manager

Activity	Operational guideline
Fire Comm and Incident Control (IC)	Quarry Manager or their delegate initially until replaced by responding external Fire Authority IC (NSWRFS) (on arrival following handover briefing).
Assembly Area ☺ Refuge of Last Resort Offsite Evacuation	The Sly's! Quarry Refuge of Last Resort (when it is too late to evacuate offsite) is within a vehicle in the centre of the borrow area of the quarry. Offsite evacuations must not be undertaken at the last minute and only at the direction of the site supervisor or Incident Controller with the nearest NSWRFs Neighbourhood Safer Place at Bimbimby Caravan Park, 286 Iluka Road, Woombah.
External fire fighting resources	The nearest NSWRFs brigade is Woombah, directed from the Ulmarra Fire Control Centre (6644 5135).
Site fire fighting resources (for initial attack / spotfires only)	The site will include a large permanent water supply dam ☺, including fittings for a hydrant. A water cart with hose reel and spray is to be located on site for quarrying operations.



Fire Danger Rating (North Coast Fire Area)	Potential Fire Behaviour and Impact	Quarry working restrictions and emergency actions
Low / Moderate	Fires can be easily controlled. Minimal impact of fire	No specific restrictions in place for personnel. Site works must be in accordance with standard procedures including compliance with contract conditions (including Hot Works Permit conditions).
High	Fires can be controlled. Embers may be blown ahead of the fire. Spot fires can occur close to the main fire. Potential for vigorous bushfire spread through surface and near-surface fuel layers in native vegetation areas if not promptly extinguished.	<i>As for Low-Moderate PLUS</i> All personnel working in or adjacent to continuous fuels are briefed/advised on appropriate ignition prevention measures and what to do in a fire. Consider issuing a Hotworks Permit for activities likely to cause sparks or ignitions. All site users within areas of bushfire hazard should have an emergency contact system in place (mobile phone or radio).
Very High	Fires can be difficult to control – flames may burn into the tree tops. Embers may be blown ahead of the fire. Spot fires may occur up to 2 km ahead of the fire. Very High FDR typically occurs on dry windy days. Fire behaviour can rapidly escalate. Fires burning in VH have been responsible for large scale property loss and threats to human life.	<i>As for above plus:</i> Quarry Manager or delegate to maintain a 'listening-watch' of ABC Local Radio (AM 684 ABC) for changes in fire danger and official bushfire warnings while site is in operation. All site fire and support units must be ready for immediate deployment if required. Consider the suspension of activities which may cause sparks in areas of vegetation hazard (elevated fuels) 'Hot Work' activities must be in accordance with Hot Works Permit conditions.
Severe	TOTAL FIRE BAN Fires may be uncontrollable and move quickly – flames may be higher than roof tops.	<i>As for above plus:</i> TOTAL FIRE BAN
Extreme	Expect embers to be blown around Spot fires may occur several km ahead of the fire. Fires occurring at these fire danger ratings	Site supervisor ready to evacuate personnel from site if required, or shelter within the site, in the event of a bushfire. All hot work is prohibited (welding, grinding, soldering gas cutting, or any work that can generate sparks) in accordance with NSWRFSS requirements
Catastrophic	have been responsible for the majority of bushfire deaths and property loss	