

# **Appendix L**

**Biosecurity Management Plan**

# Biosecurity Management Plan



## Tumblin Quarry

## Disclaimer

This document has been produced referencing documents relating to the guidelines, policies and procedures associated with the best practice quarry management for the Tumblin Quarry, Kingaroy. The currency of these documents was assessed at the time of compiling this plan and only relevant information was referred to.

Information gathered from site visits to the proposed quarry development area and from the Mick Johnson Haulage senior staff to compile this plan. This information was gathered during several visits in 2025 and the plan is based on these findings. Further changes to the environment surrounding the quarry site may expose features that have not been addressed in this plan.

## Document Control

Version	Date	Author	Signature
1.0	7/06/2025	Michael O'Sullivan	

*©2015 Extractive Industry Solutions. All Rights Reserved. Copyright in the whole and every part of this document belongs to Extractive Industry Solutions and may not be used, sold copied or reproduced in whole or in part in any manner or form or in any media to any person without the prior written consent of Extractive Industry Solutions.*

Prepared by: -

Michael O'Sullivan (B. App Sc (Geology), F. IQA, M.AusIMM)  
Extractive Industry Solutions  
P O Box 893  
Emerald Qld 4720

For: -

Second Chance (Aust) Pty Ltd t/a Mick Johnson Haulage  
53 – 55 Rosella Parade  
Kingaroy Qld 4610

# Table of Contents

## **1.0 Overview**

## **2.0 Procedures**

**2.1 Entry and exist of the site**

**2.2 On Site Weed Control**

**2.3 Weed Control on Adjacent Land**

**2.4 Weed Control on Access Route**

## **3.0 Site Inspections**

## **Appendix**

### **A. Biosecurity Matter Hygiene Declaration**

## 1.0 Overview

Tumblin Quarry is located approximately 28.5 kilometres northwest of the township of Kingaroy on the property known as “Tumblin Trees”. The soils surrounding the site are derived from coarse grained and medium grained granites and these soil types are classified as medium in fertility and in moisture retention. These soils types will support a large range of plant species, from native plants, introduced plants including declared plant species.

The area has a defined wet and dry season with rapid growth of plant species during the wet season.

The South Burnett Regional Council has published its “South Burnett Biosecurity Surveillance Program for Restricted and Prohibited Matter under the Biosecurity Act 2014” for the period of 10 February 2022 to 24 January 2023. This program has not currently been updated.

As the quarry is developed, and the topsoil removed, there will be an increased area that will not support prolific natural grass growth, and this will increase the potential for the establishment of introduced plants species. This weed management plan is designed to cover the operational activities at the site as well as the rehabilitation processes that will occur during and after the operations cease.

The potential for weed infestations will exist: -

- During the development phases as topsoil is removed from extraction areas and placed in stockpiles
- During rehabilitation of the site when topsoil is spread over the rehabilitated areas
- In the buffer zones around the site
- Along vegetated drains used for stormwater management
- From wind and traffic that uses the quarry access road.
- From stock that graze the area around the quarry site

The main threats of weed infestation is from:

1. Cattle grazing,
2. Mobile and screening machinery transported to site
3. Traffic entering the site.

The threat of a weed infestation from quarry machinery and vehicles entering the site will be considerably reduced due to the procedures in this plan.

Traffic entering the site to load and transport sand products will be controlled by a traffic management plan which will restrict the movement of traffic at the site to specific entry and exist paths.

Cattle grazing the site may cause an increased risk of spreading weeds that are presently growing at the site, however there is no potential for the stock to introduce new species to the area around the quarry site.

The main soil types around the quarry are light brown low clay content soils derived from the underlying granite rock types. The characteristics of this soil type are: -

1. Medium to low fertility
2. medium moisture retention

These soil types, within the disturbed areas of the development, will support a large variety of plant species including plants determined to be invasive species. These soil types are likely to support an infestation of perennials declared plant species as well as a number of declared woody plant species which include: -

1. Parthenium
2. African Boxthorne
3. Annual Ragweed (Ambrosia)
4. Giant Rat's Tail grass
5. Groundsel bush
6. Mother on Millions

The soil types along the haul-road are finer in particle size and contain a slightly high percentage of clay (kaolinite) and are more fertile. These soil types have an increased ability to support plant growth of declared species that are associated with infestations caused by road transport.

On site weed management is managed under four categories: -

1. Prevention of weeds entering the site.
2. Controlling out breaks of weeds on site.
3. Prevention of weeds leaving the site.
4. Use of Form: - Weed hygiene declaration, PR10\_4996.

A copy of Weed hygiene Declaration form PR10\_4996 is attached to this plan.

## **2.0 Procedures**

The procedures in this plan covers the arrival and departure of machinery and vehicles at the quarry site and status of the site itself. The procedures will also cover the possibility of a weed infestation spreading from the site to the adjoining properties.

### **2.1 Entry and exist of the site**

Weed hygiene declarations shall be obtained for all machinery entering the site and will be completed for all the company's own plant when entering the site. Any material transported onto site will also require a completed declaration form. These forms will be collected at the Quarry office and stored at the Kingaroy office.

Materials are occasionally hauled to site to blend with local materials to meet various specifications. These materials will be stockpiles separately until blended and delivered to various site. If this situation arises, a designated area will be used for stockpiling and blending prior to delivery.

Any visitor's vehicles, without a completed declaration, will not be allowed entry onto the site.

Trucks entering the site, to transport material off-site, will not require a declaration however the truck will be required to be free of mud and dust build-up as is required to travel in a public road.

The completion and collection of these forms and an inspection of the particular machine will be conducted for compliance to the plan, by the site supervisor. The site supervisor will enter the movements of all machinery onto and off the site into his daily log.

All machinery entering the site will be washed down and certified in accordance with the Queensland Government's Biosecurity guidelines.

Plant leaving the site will be blown down with air and any soil, dust or other material on the plant will be manually removed. The machine will then be washed down at the closest wash-down facility or at a private facility.

Trucks transporting material off site will be restricted to designated haul roads. These haul roads will be well maintained graded roads, free of plant material and have a gravelled surface that is kept moist, to prevent dust build-up on trucks and mud build-up on tyres and under-chassis.

## 2.2 On Site Weed Control

An inspection of the site will be conducted after the wet season each year, by suitably qualified personnel, to locate and identify any plants that are not native or are on the declared plants list for Queensland and/or South Burnett Regional Council area. This inspection will also investigate the spread of existing weeds on the site and on the adjacent land since the last inspection.

Weed control will be managed under two categories: -

- Weeds to be controlled
- Weeds to be destroyed

If there is a minor population of the various woody weeds that require destroying as they become visual above the surrounding grasses, these plants will be treated either by the landholder/quarry owner or by a qualified contractor through the land access agreement with the landholder.

Areas outside the quarry footprint but within the Development Permit area will be monitored for infestations and will be treated under the code "Managing Weeds – A self-assessable vegetation clearing code" dated 2 December 2013", if required as per the land access agreement with the landholder.

If an infestation, of any weed not identified as existing prior to the commencement of activities, is detected on site, a suitably registered contractor will be used to provide and implement a species-specific Weed Management Plan.

The management plan will include: -

1. Quarantine a suitable size area to control the outbreak.
2. Treating the affected areas by mechanical or chemical methods.
3. Regular inspections of the site after treatments and rainfall events.

Investigations into the source of the infestation will also be conducted by management so that procedures can be developed to prevent further infestations from that source, or a refusal to accept machinery from the identified site.

The affected area will be identified and barricaded off, with signage, until the contractor provides written evidence that the infestation and the threat of spreading seeds from the outbreak have been controlled. The barricaded area will include an exclusion zone of 10 metres and will cover the drainage system to the first sediment pond affected. During this process, no production will occur from the infested area.

Material, requiring a weed hygiene declaration, will not be extracted from areas adjacent to the affected area.

## 2.3 Weed Control on Adjacent Land

Weed control on adjacent land will be conducted under the following conditions: -

- The origin of the outbreak was the quarry site
- The spread of the outbreak was caused by activities at the site
- The adjacent landholder approves the control methods

The site is located within Lot 6 on Plan BO76 with two adjoining road reserves, which one is currently accessible by the public (Pedersen's Road) and one is partly accessible by the public (J Hunter Road).

If an infestation was to be caused by the quarry site operations, a suitably qualified and registered contractor will be engaged by Mick Johnson Haulage to develop and conduct a program (plan) to eradicate the outbreak.

The program will include the following: -

- ❖ Treatment of the affected area
- ❖ Regular surveillance of the affected and adjacent areas
- ❖ Prevention measures to ensure that the infestation does not re-occur.

## 2.4 Weed Control on the access route

An inspection will be conducted prior and after each wet season of the areas adjacent to the access route from Pedersen's Road to the quarry processing site. Any outbreaks of introduced species will be treated as per "*section 2.2 On Site Weed Control*".

## 3.0 Site Inspections

A site inspection shall be conducted by a suitably qualified person on an annual basis to determine the presence of any declared plant species.

No invasive plants as determined under the Biosecurity Act 2014, were located during a visit to the site in April 2025.

# Appendix A

## Biosecurity Matter Hygiene Declaration



## Explanatory Notes

This declaration was developed in response to landholders, rural industry, community, and government desire to minimise the impact of biosecurity matter on their business and on the environment.

### Why use this declaration?

This declaration can provide:

- A person with a way of demonstrating they have met their general biosecurity obligation according to section 23 of the *Biosecurity Act 2014* (Qld), if they are supplying or contain any thing that is or could be contaminated with biosecurity matter.
- A person obtaining an item with information on whether the item is clean of weed reproductive material or has been infested.
- Assurance that a vehicle was clean\* prior to entry onto a property.
- Assurance that any contaminated or potentially contaminated thing is being moved so as not to spread the contaminant.
- Assurance that a product is free of other weedy productive material.

### \*Definitions

**Biosecurity matter** is defined within section 15 of the *Biosecurity Act 2014* (Qld) to mean a living thing (excluding a human), pathogen, disease, or contaminant. There are regulated obligations pertaining to possessing, distributing, or disposing of Prohibited and Restricted Matter listed in Schedule 1 and 2 of the *Act*.

### Clean:

- for vehicles, machinery and equipment, clean means that no soil and / or organic matter that may contain weed reproductive materials is on or in areas that are accessible during cleaning and maintenance work. A checklist and guidelines that show areas that are required to be clean are available at [www.biosecurity.qld.gov.au](http://www.biosecurity.qld.gov.au).
- A vehicle is considered to remain clean if it leaves its point of origin clean and only travels on sealed roads or well-maintained unsealed roads.
- For livestock, clean means that animals are internally and externally free of the reproductive material. If livestock are suspected to be infested with a listed invasive biomatter, then they should be quarantined within a weed-free paddock or pen for a 7-to-14-day period.

**Inspected** means an examination to the extent necessary to determine by an inspector, or an authorised person, or an authorised person acting under the direction of an inspector, to ensure the item or vehicle is not carrying biosecurity matter or a carrier.

**Weed reproductive material** means any part of the plant that can produce another plant by sexual or asexual reproduction. Examples include sees, bulbs, rhizomes, tuber, stem, or leaf cutting and the whole plant.

**Well-maintained unsealed road** means roads that do not have vegetation growing on or encroaching onto the area occupied by traffic.

## Attachments

Please list and insert any relevant attachments here.

\*For example, attach your property biosecurity plan, a clean down checklist, property map etc.

Item	Attachment Title
1	
2	
3	
4	
5	