

# TEGRA AUSTRALIA

## POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

### WARRI QUARRY



This Plan remains the property of  
Tegra Australia, the return of it  
may be called upon at any time for changes and/or upgrades.

**COPYRIGHT:** Concepts and information contained in this document are the property of Tegra Australia. Use or copying of this document in whole or in part without the written permission of Tegra Australia constitutes an infringement of copyright.

## CONTENTS

<b>Contents</b>	<b>Page No. 2</b>
1. Introduction	2
Purpose	3
Objectives	3
Identify Hazards	3
2. Action	3
Response	3
Assessment	4
Stop	4
Notify	4
Contain and Control	4
Cleanup and Disposal	5
3. Review and Evaluation	5
4. Training and Testing	5
5. Site Operation Details	6
6. Authority Notification List	7
Quarry Site Plan	8
References	9
Review and Test Details	9

## **1. INTRODUCTION**

### **PURPOSE**

This document is to summarize Tegra's background information and procedures of the quarry's Pollution Incident Response Management Plan. It is available for inspection by the EPA, relevant authorities, neighbours and the community.

It demonstrates compliance with the new requirements introduced by the Protection of the Environment Legislation Amendment Act 2011 to prepare and implement a pollution incident response management plan.

This plan is kept, tested and implemented in accordance with the Act and the Regulation.

### **OBJECTIVES**

Ensure the actions of the plan will contain to a minimum and manage a pollution incident.

Respond to, assess, minimize, contain and control the risk of a pollution incident at the quarry.

Notify staff and management, EPA, relevant authorities, neighbours and the community who may be affected by the pollution incident and its consequences.

That management and staff are trained in the implementation, testing, review and relevancy the plan.

### **IDENTIFY HAZARDS**

Section 4 of the Tegra MSMP states the aims of Hazard Identification and Risk Management.

Regular inspections of site activities identify pollution hazards that pose a risk of 'material harm to the environment'. Risk assessments are applied to such hazards aiming to identify foreseeable events, their impact, potential consequences and implemented controls.

The Hazardous Substances register identifies the maximum quantity and location of hazardous substances stored on the site, their location is also identified on the site map. MSDS and TDS are available for these substances in the MSDS folder.

## **2. ACTION**

In order to manage a pollution incident which may cause material harm to the environment the Pollution Incident Management Response Plan will be put into action. It will follow the procedures as detailed below.

### **RESPONSE**

The Production Manager is to respond the suspected incident and make an initial assessment.

## **ASSESSMENT**

The assessment of the incident will include:

- If safe to do so remove any persons from harm and minimize the risk of harm to any other persons
- Identify the substance/material leaked
- Determine the quantity of substance/material leaked
- What are the risks to health and safety of personnel
- Determine if the on-site resources can contain, manage and clean up the incident
- Determine if the incident will cause material harm to the environment

## **STOP**

With safety and minimizing the risk of harm to any persons as a priority it may be possible to stop the leak by:

- Turning off the supply tap/valve
- Plugging the leak – replace bung or cap, plug a hole
- Position a damaged drum to prevent any further leak – rollover, return upright
- Construct a bund wall with booms, earth or sand to prevent further spread

## **NOTIFY**

If the incident has the potential to cause material harm to the environment the following are to be notified:

- Senior management
- Emergency services
- Department of Environment, Climate Change and Water
- Local Council
- Water Authority
- Workcover NSW
- Neighbours and local community

## **CONTAIN AND CONTROL**

If the incident is of such a nature that the leaked material may exit the site every effort should be made to contain the material within the site until the relevant authority arrives. The use of heavy machinery and earth bunding may be necessary.

### **Flood Conditions**

If flood waters have entered the site it will be necessary to contain the flood waters within the site to prevent any water that may be contaminated on the site returning to the river system. It may be necessary to consult with the relevant authority to determine the best method of evacuating the flood waters from the site.

### **CLEAN UP AND DISPOSAL**

The incident site is to be cleaned up of the leaked material and restored to the state it was in prior to the leak.

- If the incident is of such a nature to cause harm to the environment it is to be collected and stored on the site prior to disposal
- All care is to be taken is to restore the site to its condition prior to the incident whilst having minimal effect on the environment
- Collected material is to be disposed of in accordance with the regulations of the relevant authority

## **3. REVIEW AND EVALUATION**

- Assist the relevant authorities in conducting investigations and enquiries
- An internal investigation is to be conducted and a report prepared
- Conduct a review of the incident and evaluate the effectiveness of the PIRMP
- Make any changes to the PIRMP to reflect the findings of the review and evaluation process

## **4. TRAINING AND TESTING**

In accordance with MSMP Section 7 Emergency Planning all workers are trained in the implementation of emergency procedures, use of emergency equipment and evacuation procedures relevant to the site.

Emergency drills and testing of the procedures are conducted and reviewed annually. The emergency plan, this PIRMP and site map are displayed in the site office.

The local emergency services have been forwarded an information letter in regard to the site and a site plan.

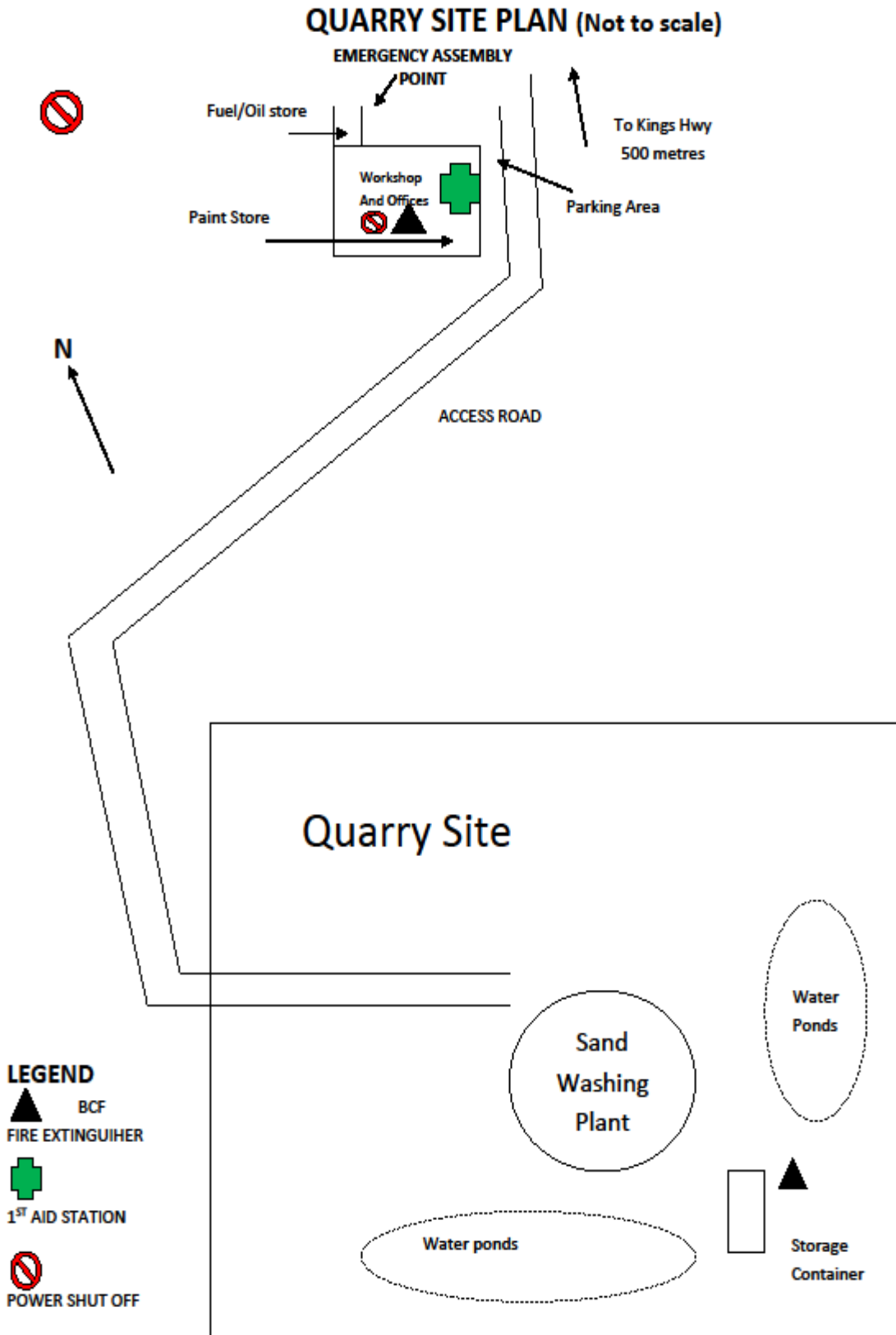
This PIRMP is available to the public and relevant authorities on the company website.

## 5. SITE OPERATION DETAILS

1. Name: TEGRA Warri Quarry  
Ph: 0428 265 382
2. Address: 7275 Kings Highway Braidwood.  
12kms west of Braidwood, adjacent to Warri Rest Area
3. Hours of operation: Monday – Friday  
7am – 4.30pm (Gate is locked outside of these hours)
4. Contacts: General Manager 02 6382 5288  
Production Manager 0428 265 38
5. Type of Operation: River rock and sand extrication, processing and crushing.
6. No. of persons employed: 3
7. Max No. of persons on site: 10
8. Plant and equipment: 2 x front end loaders  
1 x 35 tonne excavator  
1 x 30 tonne dump truck  
Sand washing plant  
Dry screening plant  
Mobile crushing plant  
Toyota 4x4 Utility  
Workshop equipment  
Water tank trailer
9. Emergency Assembly Area:  
Main workshop located over 2<sup>nd</sup> ramp  
(refer to site map)  
Entrance road is of gravel all weather construction
10. Emergency equipment and location:  
Fire extinguishers – workshop  
1<sup>st</sup> Aid Kits –workshop  
(refer to site map)

## 6. AUTHORITY NOTIFICATION LIST

<b>AUTHORITY</b>	<b>CONTACT NUMBER</b>
Mine Operator	02 6382 5288
Production Manager	0428 265 382
Emergency Services	
Fire and Rescue NSW	000
Ambulance	000
Police	000
Rural Fire Service	000
SES	132 500
Braidwood hospital	02 4842 2566
Dept Environment, Climate Change & Water	131 555
Southern Rivers CMA	02 4224 9700
Queanbeyan-Palerang Regional Council	
Queanbeyan Office	02 6285 6000
Braidwood/Bungendore Office	02 6338 8111
Workcover NSW	131 050
Electricity	132 080
Local Community Notifications	
Neighbours adjoining	
Neighbours downstream	
Users of nearby recreational facilities	
Local radio	





## REFERENCES

Tegra Mine Safety Management Plan

Tegra Site Registers

Tegra MSDS Folder

Tegra Environmental Policy

Site information

Site map

Protection of the Environment Legislation Amendment Act 2011

NSW EPA Environmental guidelines: Preparation of pollution incident response management plans

REVIEW DETAILS	DATE	TEST DETAILS	DATE
Planning	Sept 2014	Desktop	Sept 2014
Plan review	Jan 2016	Desktop	Jan 2016
Plan review, reprint and test	Jan 2017	Desktop and field	Jan 2017