

# **POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN**



**2020**

Manager Garry Cullen	Signature	:
	Date	:

## INTRODUCTION

Garry Cullen Sand & Soil Pty Ltd as holders of environment protection licence no13175 must comply with the requirements introduced in 2012 by the *Protection of the Environment Legislation Amendment Act 2011* (POELA Act) to prepare and implement a pollution incident response management plan.

Based on the EPA guidelines the plan must set out specific requirements regarding preparing, keeping, testing and implementation of these plans.

The POELA Act introduced several changes to improve the way pollution incidents are reported, managed and communicated to the general community. The Act includes a requirement under Part 5.7A of the *Protection of the Environment Operations Act 1997* (POEO Act) to prepare, keep, test and implement a pollution incident response management plan.

The objectives of these plans are to:

Ensure comprehensive and timely communication about a pollution incident to staff at the premises, the Environment Protection Authority (EPA), other relevant authorities specified in the Act (such as local councils, NSW Ministry of Health, SafeWork NSW, and Fire and Rescue NSW) and people outside the facility who may be affected by the impacts of the pollution incident.

Minimise and control the risk of a pollution incident at the facility by requiring identification of risks and the development of planned actions to minimise and manage those risks.

Ensure that the plan is properly implemented by trained staff, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.

## **Legislative requirements**

The specific requirements for pollution incident response management plans are set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO(G) Regulation). In summary, this provision requires the following:

Council as holders of environment protection licences must prepare a pollution incident response management plan (section 153A, POEO Act).

The plan must include the information detailed in the POEO Act (section 153C) and be in the form required by the POEO(G) Regulation (clause 98B).

As Licensees Council must keep the plan at the premises to which the environment protection licence relates and where the relevant activity takes place (section 153D, POEO Act).

Council must test the plan in accordance with the POEO(G) Regulation (clause 98E).

If a pollution incident occurs in the course of an activity so that material harm to the environment is caused or threatened, licensees must immediately implement the plan (section 153F, POEO Act).

The plan must include the following requirements

1. Description and likelihood of hazards
2. Pre-emptive actions to be taken
3. Inventory of pollutants
4. Safety Equipment
5. Contact details
6. Communications with adjoining properties and the community
7. Minimising harm to persons on the premise
8. Maps
9. Actions to be taken during or immediately after pollution incident
10. Staff training

## **The Site Activity and Surrounds**

Premises Details

BENEREMBAH QUARRY AND LANDFILL

Lot 1 DP1086916 at Benerembah (Barber Road)  
Benerembah 2680  
Scheduled Activity  
Waste Disposal (application to land)

Environment Protection Licence (EPL)  
Licence Number: 13101  
Anniversary Date: 17 September

The Licence includes  
Lot 106 DP 751059

Quarry and Waste disposal (application to land)

The quarry is located at the southern side of the site and comprises a 230 metre active quarrying face, stockpiles of extracted materials, extraction and loading machinery, and a mobile sand screening unit

The landfill currently comprises one completed landfill cell and one active landfill cell, an existing concrete stockpile, perimeter screening bunds, and established all weather internal roads. The landfill site is only accessible from Barber Road via locked gates.

The site is enclosed by RU1 Primary Production zoned land.

Land use in the vicinity of the landfill consists of the following:

- Road reserve
- Cropping of surrounding lands

### **Contact details**

Garry Cullen Site Manager phone 0429440157 (after hours contact)  
Shane Cullen Site Manager phone 0428440157  
Email [gary.02@bigpond.com](mailto:gary.02@bigpond.com)

### **Persons Responsible pollution incident, managing response to pollution incident and notifying authorities**

Garry Cullen Site Manager phone 0429440157 (after hours contact)  
Shane Cullen Site Manager phone 0428440157 (alternative contact)  
Email [gary.02@bigpond.com](mailto:gary.02@bigpond.com)

## **1 Description and Likelihood of Hazards**

Activities carried out on the site involve the potential for some environmental and physical exposure to:

<b>Site Hazards</b>	<b>Likelihood of Occurring</b>	<b>Mitigating Measures</b>
<u>Fire</u>	1. Low	The likely hood of a fire is low due to no flammable materials kept on site The likely hood of a tip face fire is very low due to any waste being covered as soon as practical
<u>Leachate Collection</u> 1. Overflow of leachate pond 2. Failure of containment system	1. Low 2. Low	The likely hood of leachate over flow is very small as pond is located at lowest point and has sufficient capacity for a 1 in 20 year storm event
<u>Rain Events and Surface Water Runoff</u> 1. Stormwater diversion	1. Low	Stormwater diverted around and away from contaminated areas
<u>Fuel or Oil spill</u> 1. Lubricant or fuel spill	1. Low	The risk of a spill is very low due to all lubricant and fuel is contained in machinery and machinery is checked for leaks daily before commencing work for the day
<u>Groundwater Contamination</u> 1. Contamination of groundwater	1. Low	There is a natural clay pan below the sand after extraction this is the floor of the land fill and stops any contaminates from entering the ground water

<u>Dust</u> 1. Dust produced from plant and equipment	1. med	Dust will be controlled by keeping equipment speeds low and if excessive dust is produced roads and work area will be wet down to minimise dust
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## **2. Minimizing Risk of Harm to Human Health or Environment**

The following will be followed

- No Smoking on site
- Naked Flames or Heat Generating Activities e.g. (repairs involving cutting with a gas torch or welding) must be done in clear area free from Any combustible materials and have a fire extinguisher available DAYS WITH TOTAL FIRE BAN NO HEAT GENERATING ACTIVITIES ALLOWED
- All visitors must contact site manager to before entering site
- All visitors to be accompanied by staff member and will be instructed on site safety including emergency evacuation point (Barber Road entrance)
- Gate on Barber road to be kept closed outside operating hours of site
- All waste to be covered as soon as practical
- No waste other than concrete waste to be processed into aggregate is to be stockpiled

## **3. Pre-emptive Actions to be Taken**

Safety equipment and personal protection equipment for management of pollution incidents includes:

Stored in trucks as there is no site office

- Fire extinguishers 1 kg and 2.5 kg dry powder type fitted to machines and trucks as we have no site office tested every 3 years due Dec 2020
- Water truck available to suppress dust also has a fire fighting pump and hoses attached if required to fight a fire
- Disposable overalls
- Dust Mask
- Eye protection
- Rigger gloves

## **4. Inventory of Pollutants**

There are no pollutants kept on site

The plant used on-site are owned and operated by a Garry Cullen Sand & Soil Pty Ltd. Lubricants and fuels used in the plant are contained to plant and equipment and is serviced off site oils and fuel is only on site for daily checks and is carried in the trucks used to transport waste and quarry material

The current EPL attached does not identify pollutants to be monitored, limit conditions or trigger levels.

## **5. Safety Equipment**

Staff are issued with personal protective equipment (PPE) to ensure that they can undertake duties in a safe manner and protect themselves and others.

Examples of PPE include:

- High visibility clothing
- Safety boots
- Broad-brimmed hats
- Safety gloves
- Sunscreen
- Safety glasses
- Dust masks

A spill containment kit is kept in cat loader as there is no site office and easily accessible.

## **6 Incident Contact Details**

### **External Contacts**

Emergency Services		
Emergency Hotline Number (24 hours)		000
Griffith Rural Fire Service		02 6966 7800
Environment Protection Authority (EPA)	Griffith Regional Office	02 6969 0700
	Emergency Hotline Number (24 hour)	131 555
Public Health Unit	Albury Regional Office	02 6080 8900
The Ministry of Health (via Public Health Units)		
SafeWork NSW		13 10 50
Carrathool Shire Council	Emergency Hotline Number (24 hour)	0407244429

## **7. Communications with Adjoining Properties and the Community**

In the event of an incident occurring, the following methods of communication shall be employed depending on the severity and nature of the incident.

All notifications will be via mobile phone or in the case of Peter Salvestro he can also be contacted via uhf ch 20

Communications to adjoining landowner/occupiers (refer to list below). Strategic phone calls to occupiers including:

<b>ADJOINING LANDHOLDERS (Within identified buffer)</b>	<b>CONTACT NUMBER</b>
Peter Salvestro	69634220



The extent of the communications with the neighbours and the community will depend on the:

- The magnitude of the emission or discharge
- Type of pollutant
- What that pollutant may impact – water, land, air
- The potentially impacted area
- Weather conditions
- Potential duration of the impact

It will also depend on the severity and extent of the incident as determined by the Lead Emergency Agency in control of the event.

Other communications with the community may be via local newspapers, radio and television, the Kyogle Council website and/or door knock. Once again, this will depend on the severity and extent of the incident.

## **8. Minimising Harm to Persons on the Premises**

### **Site manager responsibilities**

Responsibilities include:

- Immediately responding to any emergency situation
- Ascertaining the nature of the emergency and determining appropriate actions
- Ensuring the appropriate emergency services have been notified
- Co-ordinating the deployment of staff and any internal specialist resources
- Where safe to do so take steps to contain or control the hazard
- Ensuring that appropriate senior management are kept updated on the situation
- Co-ordinating post-incident recovery strategies
- Maintenance of staff training, emergency information lists and emergency related plant and equipment necessary for emergency evacuation compliance

### **Emergency Management Methods**

Emergency management actions at the site are to be carried out in accordance with this plan.

### ***Emergency Resources***

#### **Emergency Warning and Communications System**

The landfill has mobile telephone coverage. In the event of a failure of the mobile coverage, messages may be relayed via runner.

All equipment also fitted with uhf radios and are capable of contacting the neighbouring farms

#### **Fire-fighting Equipment**

Garry Cullen Sand & Soil Pty Ltd facilities are equipped with fire extinguishers, which are strategically located in the loaders and trucks onsite as there is no site office. There is also a water cart available with a fire fighting pump and hoses attached

All employees shall be trained in the use of the equipment. This training shall be both by verbal instruction and practical demonstration.

All fire-fighting equipment shall be regularly checked and serviced. Every 3 years

#### **First Aid Equipment Locations**

First Aid Kits are located in the loaders and trucks on site as there is no site office.

### ***Emergency Response and Evacuation Plan***

#### **Discovering a dangerous situation**

- Move persons away from danger if safe to do so
- Contact relevant emergency services (ie ambulance/fire/police)
- Announce evacuation if dangerous situation requires (runner)

#### **Reporting an emergency**

When reporting an emergency, the following information should be included:

- Name of organisation
- Exact nature of emergency (any casualties?)
- Exact location (including address, near cross street, building name, postcode)
- Name of person reporting emergency
- Contact number (where applicable)
- Reporting is to be done by the Waste Officer, Waste and Regulatory Officer or other appropriate person

### **Evacuation Alert**

Verbal instructions by calling “**emergency emergency emergency**” to evacuate over the telephone or verbal directive issued by the site manager

### **Assembly areas**

In the event of an evacuation, persons should assemble at the nearest safe assembly area as stated on site specific plans.

### **First Aid**

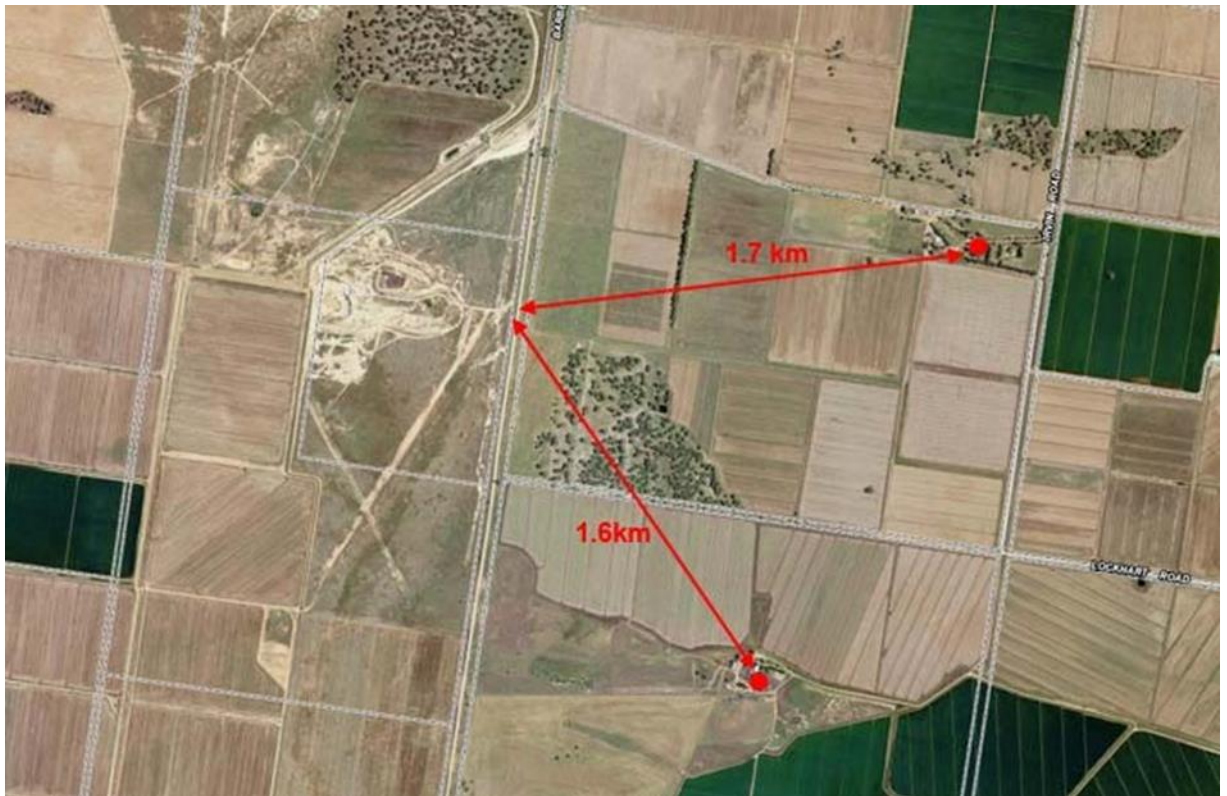
Any injured people who can be moved safely should be taken to the nearest assembly area (whichever is more appropriate) for treatment. Those people who are trapped or unable to be removed immediately must be protected and given first aid on the spot (providing it is safe to do so).

### **Media Liaison**

Should any staff member be approached by media representatives for comment, the staff member must refer them to the Site Manager, or the person authorised to speak on their behalf.

## **9. Maps**

Map and aerial photograph of Landfill Facility and



## **10. Actions to be taken during or immediately after pollution incident**

### **During a pollution incident**

- All actions taken during and after a pollution incident will vary depending on the nature of the properties of the pollutant/s and severity of the incident

- Any action taken shall be in accordance with any Work Health and Safety requirements
- Detailed records/evidence collection shall be carried out provided it is safe to do so and with approval of the person in control of the site. Evidence may include photographs/ samples taken and written notes
- Follow all directives given by the person/s in charge

#### **Actions while waiting for emergency services to arrive**

- Staff will attempt to clear any nearby combustible materials at risk of catching fire by hand using shovels and rakes or with equipment (loaders and excavators) if safe to do so
- Water truck with will be used to attempt to extinguish fire if safe to do so. In the event of a fire staff will use equipment (loaders and excavators) to attempt to smother fire if safe to do so
- In the event of a fire staff will use equipment loaders and excavators to attempt to smother fire if safe to do so
- When emergency services to arrive staff will follow all directions given by emergency services personal

#### **Emergency Termination**

Only the Chief Emergency Controller shall deem the emergency terminated. This action shall take place once all emergency services have concluded their involvement.

Only the Chief Emergency Controller shall deem the site safe to enter.

#### **Post Incident Reporting**

Reporting of the incident to the EPA shall include the following information

- The time, date, nature, duration and location of the incident
- The location of the place where the pollution has occurred or is likely to occur
- The nature, the estimated quantity or volume and the concentration of any pollutants involved if known
- The circumstances in which the incident occurred (including the cause of the incident if known)
- The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution if known

### **11. Staff Training**

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Specific site related training includes:

- Plant Operation
- Electrical safety



All new staff members carry out health and safety induction training and are trained in Garry Cullen Sand & Soil Pty Ltd general and site-specific Safe Work Method Statements.

Mock emergency response training events are held. These events are utilised to demonstrate readiness and refine responses to a specific scenario for which an Emergency Scenario Response has been documented. De-briefing after the training event allows for further staff consultation and procedural refinement of the response.

## **12. Testing of Plan**

Plans are required to be tested routinely. Below is a summary of tests carried out.

<b>Date</b>	<b>Method of Testing and Scenario</b>	<b>Problems Identified</b>	<b>Improvements</b>
16/03/2020 M.Sidlow	Desktop simulation relating to a chemical spill landfill site. Multiple external and internal organisations/persons were contacted, as well as landholder. The primary purpose was to confirm correct contact details and effective communication. Correct contact details were confirmed for the following: -  Griffith rural fire service- Rachel  Epa Griffith office- linda  EPA hotline- Cathy  Public Health Unit Albury- Mellisa  Carrathool Shire Council 24 hour line – Mark  Peter Salvestro- Melanie	No identified problems.	Fixed incorrect epl licence number and anniversary date

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