



Baines Masonry Blocks Pty Ltd
(Baines Masonry)
900 Wilton Rd,
Appin, NSW 2560

Pollution Incident Response Management Plan

Table of Contents

	Page
1. Purpose and Scope	3
2. Process	3
3. Definition of Pollution Incident	3
4. Description and Likelihood of Hazards	3
5. Pre-emptive Actions to be Taken	4
6. Inventory of Pollutants	4
7. Safety Equipment and Minimising Risk	5
8. Contact Details	5
9. Training, Testing and Review	6
10. Testing Records	6
11. Maps	6

Document Control

Version	Date	Amendment
1	15/8/2012	Original Document
2	15/3/2013	Amendment to 8.2, Fire and Rescue Contact Details
3	18/3/2014	Amendment to 8.2, Ministry of Health Contact Details (previous typing error) Amendment to 5. (non-flammable chemicals), grammatical error Addition of Document Distribution List
4	2/9/2015	No amendments required
5	30/9/16	No amendments required
6	6/7/17	Amendment to 7. to include risk minimisation Addition of 10. Testing Records Make document available on website for public reference
7	12/9/18	Update 6. Inventory of Pollutants Update Site Map to include proposed factory and larger storage areas
8	29/10/19	Update 6. Inventory of Pollutants to add in M16 plant now complete

Document Distribution

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1. Purpose and Scope

This Pollution Incident Response Management Plan (PIRMP) has been developed to describe Baines Masonry’s response to a potential pollution incident and to meet the requirements of the Protection of the Environment Operations Act (POEO Act 1997)

The PIRMP covers the property at 900 Wilton Road Appin with an Environmental Protection Licence (EPL).

The plan covers description of potential hazards, actions to be taken to prevent additional environmental harm and details of communication required in the event of an incident. The plan is based on a risk assessment of the site.

2. Process

In the event of a pollution incident:

STEP 1: Follow Emergency Response Procedures and Notify the Chief Warden.

STEP 2: Contain the incident where possible.

STEP 3: The Chief Warden will notify the Personnel Responsible from section 8.1 in listed order.

STEP 4: The most senior of the Personnel Responsible in section 8.1 that is contacted, will complete the notification required in section 8 if the pollution incident meets the definition in section 3.

The remainder of this document is set out to meet the requirements of the legislation.

3. Definition of Pollution Incident

A *pollution incident* means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.

A pollution incident is required to be notified if there is a risk of ‘material harm to the environment’, which is defined in section 147 of the POEO Act as:

- a) harm to the environment is material if:
 - i. it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
 - ii. it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and
- b) Loss, including the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

4. Description and Likelihood of hazards

Potential Hazard	Likelihood
Release of Cement Products	LOW
Release of Oils and Flammable Liquids	LOW
Release of Non Flammable Chemicals	LOW
Release of Diesel Fuel	LOW
Release of Liquid Natural Gas (LNG)	LOW
Release of Contaminated Water	LOW
Release of Dust	LOW

5. Pre-emptive actions to be taken

Cement Products

All cement products are stored onsite in silos that have protection from spillage. The silo's are in a location that is ideal for dealing with any spillage. Multiple catchment silt traps are located near the silos in order to catch more than the capacity of each silo. In situations where personnel need to come into contact with cement dust the appropriate PPE is used.

Oils and Flammable Liquids

There is a quantity of oil products used in each of the manufacturing plants, both plants of which have either a bund area or catchment pit should there be any spill.

All other stores of Oils and Flammable liquids are stored in a dedicated hazardous materials shed, located in an area away from most ignition sources. The shed has a bund wall around surrounding it that has the capacity to catch any spill that may occur.

Non Flammable Chemicals

These are stored in the raw materials and cement storage area behind a bund and covered by an awning. The area has sufficient capacity to catch any spill.

Diesel Fuel

Diesel fuel is stored in an underground storage tank with the bowser mounted almost directly above it. The bowser is fitted with a stop switch to stop any flow from the nozzle. A main switch to stop the pump is located nearby. The bowser is fitted with a counter to measure the amount of Diesel used from the tank and this enables the tracking of any spillage through leaking. The tank is inspected regularly for leaks as per legislation.

Liquid Natural Gas

Liquid Natural Gas is supplied via the town supply and piped from the boundary to both manufacturing plants. All appliances onsite have a shut off valve. If an incident was to occur within the site the main line has a shut off valve at the boundary.

Contaminated Water

All stormwater runoff will be directed to the relevant sediment control or water treatment devices for the site. Most of the rainwater is captured, stored in a dam and used on the site. An extensive recycled water system is setup to treat and reuse any water where possible.

Dust

Dust mitigation controls include sealed entry and exit roads and a water cart and/or sprinklers to provide dust suppression on unsealed surfaces as required. A road sweeper is scheduled to clean sealed surfaces on a regular basis. Raw materials are stored in material storage bins. Tarps are used to cover raw materials when they are not in use to reduce the chances of wind or water distributing it out of the material storage bins.

6. Inventory of Pollutants

Pollutant	Type	Maximum Quantity	Location(s)
HES Cement	Cement Product	60 Tonne 60 Tonne 30 Tonne	Batching Plant M1600 Batching Plant M16 Batching Plant M22
Off White Cement	Cement Product	30 Tonne 30 Tonne	Batching Plant M1600 Batching Plant M16
Tech Dry Block Emulsion	Non Flammable Chemical	1000 Litres 1000 Litres 2000 Litres	Batching Plant M1600 Batching Plant M16 Storage Shed
Quantec PL - 433	Non Flammable Chemical	3000 Litres 1000 Litres	Batching Plant M1600 Batching Plant M16
Diesel Fuel	Diesel	205 Litres 2200 Litres MAX	Storage Shed Underground Tank
Ultramax 46	Oil/Flammable Liquid	410 Litres	Storage Shed

		2500 Litres 2500 Litres 800 Litres	M1600 Plant (Pumps) M16 Plant (Pumps) M22 Plant (Pumps)
Ultramax 68	Oil/Flammable Liquid	205 Litres	Storage Shed
Waste Oil	Oil/Flammable Liquid	800 Litres	Storage Shed
Waste Oil Filters	Oil/Flammable Liquid	205 Litres	Storage Shed
Unleaded Petrol	Oil/Flammable Liquid	60 Litres	Storage Shed
Transmax M	Oil/Flammable Liquid	20 Litres	Storage Shed
Perfecto T32	Oil/Flammable Liquid	20 Litres	Storage Shed
Monograde SAE30	Oil/Flammable Liquid	80 Litres	Storage Shed
Textran	Oil/Flammable Liquid	100 Litres	Storage Shed
Meropa 220	Oil/Flammable Liquid	80 Litres	Storage Shed
Thuban EP 85w/140	Oil/Flammable Liquid	60 Litres	Storage Shed
Sigma Fluid	Oil/Flammable Liquid	20 Litres	Storage Shed
Aircol PD 46	Oil/Flammable Liquid	60 Litres	Storage Shed
LSD SAE 90	Oil/Flammable Liquid	20 Litres	Storage Shed
Easyshift 75w/90	Oil/Flammable Liquid	20 Litres	Storage Shed
Waste Hydraulic Oil	Oil/Flammable Liquid	40 Litres	Storage Shed
Delo Gold 15w/40	Oil/Flammable Liquid	410 Litres	Storage Shed
BIO Mould Release Oil	Oil/Flammable Liquid	205 Litres	Storage Shed
Hydrochloric Acid	Non Flammable Chemical	30 Litres	Storage Shed
Degreasers	Non Flammable Chemical	80 Litres	Storage Shed
Mineral Turpentine	Oil/Flammable Liquid	20 Litres	Workshop Flammable Cabinet
Havoline Super 2T	Oil/Flammable Liquid	12 Litres	Storage Shed
Ultra Duty Grease 2	Oil/Flammable Liquid	220 kg	Storage Shed
Ultra Duty Grease 2	Oil/Flammable Liquid	120 Cartridges	Storage Shed
Liplex EP2	Oil/Flammable Liquid	55 kg	Storage Shed
Liplex EP2	Oil/Flammable Liquid	72 Cartridges	Storage Shed
Thinners	Oil/Flammable Liquid	20 Litres	Workshop Flammable Cabinet
Paints	Oil/Flammable Liquid	200 Litres	Workshop Flammable Cabinet
Coolant	Non Flammable Chemical	300 Litres	Storage Shed
Castrol Grease	Oil/Flammable Liquid	10 kg	Storage Shed

7. Safety Equipment and Minimising Risk

Spill kits are available in each factory on site to use in case of localised spills.

Earthmoving equipment and sands are available onsite to create additional bundying in the event of runoff or a fuel spill.

High pressure water is available for dust control and wash-down of cement spillage into silt traps.

Silt traps are designed to catch any potential spill event should it not be contained with spill control measures.

Safety Data Sheets (SDS) is made available to reference PPE, emergency and 1st aid procedures for each substance if and when required.

All PPE required is readily available.

Hazardous material store is accessed only by persons who are knowledgeable on hazardous substance use.

Evacuation Procedures and emergency assembly points are provided, training is undertaken by all workers in site induction.

8. Contact Details

8.1. Personnel responsible for the site

The following table outlines the personnel responsible for the site.

Title	Name	Contact Number
Production Manager	Allan Baines	0404 038 766
Assistant Production Manager	Adam Baines	0414 499 203
Supervisor (also Chief Warden)	Koby Cannon	0414 411 187

8.2. Notification of external parties

The following table outlines the contact details and correct sequence for notification in the event of a notifiable pollution incident. The personnel responsible will carry out the notifications required by the table below.

Emergency Services (if dealing with an emergency)	Police Fire Ambulance	000
Environmental Protection Authority	Environmental Line	131 555
Ministry of Health NSW		9391 9000
Work Cover NSW		131 050
Wollondilly Shire Council		4677 1100
Fire and Rescue NSW	For incidents that are not an emergency	1300 729 579

NOTE: Phone numbers are current as at the date of this document.

8.3. Communicating with neighbours and local community

In the event of a notifiable incident neighbouring properties will be door knocked and/or phoned to communicate the situation.

8.4. Minimising harm to persons on the premises

Refer to the *Emergency Procedures* for the site. At all times minimising harm to persons shall be the priority.

9. Training, Testing and Review

Baines Masonry will review the PIRMP annually. Desktop updating of the plan will be carried out at the time of review. Practical testing should be carried out simultaneously with Evacuation Drills in Emergency Response Procedures.

All Emergency Wardens will be trained in the PIRMP.

A copy of this plan will be given to personnel responsible for the site, the Chief Warden and copies will be kept in the Master and Chief Warden's Emergency Procedures folder.

10. Testing Records

Date Carried Out	Conducted By	Comments/Suggestions
5/7/17	Adam Baines	Update document to suit EPA recommendations DOC17/345922
12/9/18	Adam Baines	Update document and check contact details
29/11/18	Adam Baines	Update document and check contact details

11. Maps

See Site and area maps on the following pages.

Site Map



Notification of Neighbours Map

