

# Kembla Grange Pollution Incident Response Management Plan (PIRMP)



# Independent Cement

**Independent Cement & Lime Pty Ltd**

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## 1 Introduction

Building Products Supplies (BPS) Kembla Grange depot operates under an EPA licence, as such this *plan* is created, maintained and tested in compliance with Part 5.7A of the POEO Act 1997 and Part 3A of the Protection of the Environment Operations (General) Regulation 2009 (POEO General Regulation). This plan shall be reviewed annually.

**EPA Licence Number:** 20747. A copy of the licence can be found in Appendix 1.

**Licence Holder:** Building Products Supplies

**Site Location:** 10 Canterbury Road, Kembla Grange – refer aerial shots below.



This *plan* has been prepared for use by Building Products Supplies. Environmental issues arising out of BPS operations will be covered by this *plan*. This *plan* shall be tested annually, by PIC or delegate.

### 1.1 Definitions

**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.



A *pollution incident* has reporting requirements if there is risk of 'material harm to the environment' which is defined in section 147 of the Protection of the Environment Operations Act (POEO Act) as:

- a) harm to the environment is material if:
  - it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
  - it results in actual or potential loss of property damage of an amount, or amounts in aggregate, exceeding \$10,000
- b) loss includes 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.

**Plan** means a *pollution incident* response management plan required to be prepared under Part 5.7A of the Act.

## 1.2 Contact Details

BPS Kembla Grange site has the capacity and council approval to run 24 hours a day, 7 days a week.

All *pollution incidents* are to be reported to BPS through the following number:

**1300 440 072**

This number is answered by the Allocations team at the Glendenning site who are available 24 hours a day, 7 days a week. The Allocations team will notify the Pollution Incident Controller or their deputy.

## 1.3 Authority

A Chief Pollution Incident Controller and Deputy shall be nominated to be responsible for this PIRMP, and its implementation during a pollution incident. These are as follows:

- Nadine Livett (Pollution Incident Chief – PIC) – 0402 836 784
- Steve Baggott (Deputy PIC)

## 1.4 Training Requirements

The PIC and Deputy PIC shall participate in the annual review of this plan. The review is recorded at the end of the plan. Employees who may be involved in a pollution incident response, including the use of pollution control equipment shall receive appropriate instruction on these subjects through toolbox meetings or training sessions.

SUBJECT	FORUM	DATE
Spill Kits	Toolbox Meeting	09/05/2019



Drivers attending the site shall be made aware of the appropriate response to an incident that could cause actual or potential material harm to the environment through the driver induction program, including:

- The procedure to be followed after a *pollution incident* and who should be contacted during and after the incident.

Contractor induction records are stored in the 'Contractor' module of the IRIS system.

## 1.5 Drill Exercise

A drill exercise shall be conducted annually to test the effectiveness of this plan and serve as an annual refresher in the appropriate response to an incident that could cause actual or potential material harm to the environment.

The exercise can be desktop or practical and shall pick one of the identified risks and follow the appropriate response, ensuring that the requisite knowledge and provisions are in place to facilitate the response.

The annual test shall be recorded using the Drill Evaluation Report Form through the IRIS system.

The last drill exercise was conducted on the 12<sup>th</sup> October 2019 during a real scenario where strong winds blew debris from a construction site across the road and caused damage and generated dust.

## 2 Pollution Incident Response Management Plan

### 2.1 Possible Pollution Incidents

The following have been identified as possible *pollution incidents* at the BPS site:

- Truck diesel tank rupture due to collision
- Diesel leak from truck
- Diesel leak from diesel tank held on site
- Cementitious product into storm water drains
- Failure of silo top
- Dust collector malfunction
- Loading/Unloading issues causing cementitious product release into air

### 2.2 Flora and Fauna that could be affected

There is no known flora and fauna on site that could be affected by the operations.

### 2.3 Inventory of Pollutants



Potential pollutant kept on site	Maximum quantity kept on site
Diesel in storage tank	1000L
Diesel in the truck	200L per truck
Gas Cylinders	10 cylinders @ 15kgs each
Cement (including slag and fly ash) Bulk and Bag	1000T



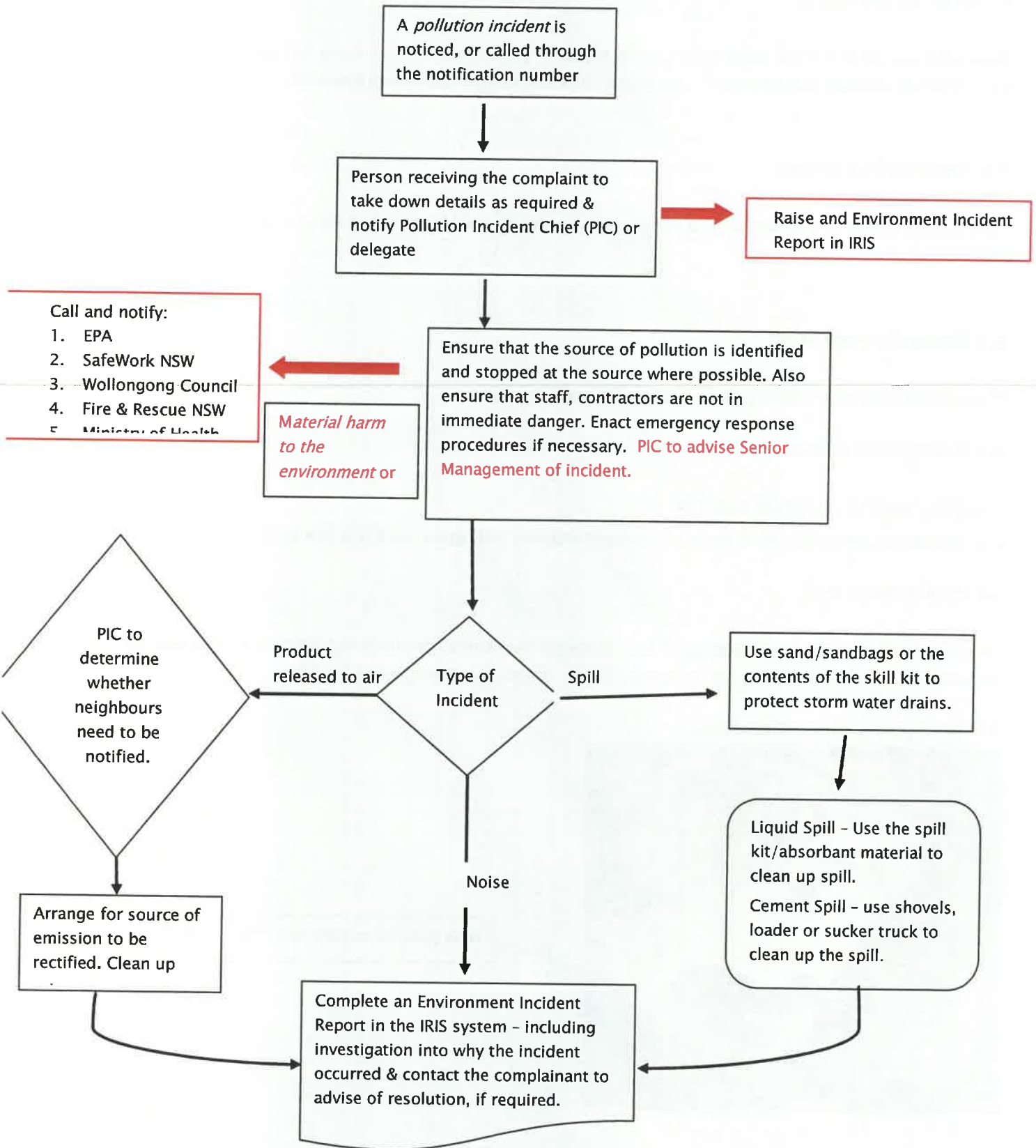
## 2.4 Pollution Incident Assessment

Details	Main hazards identified	Likelihood	Pre-emptive actions to be taken
<b>Scenario 1:</b> Truck diesel tank rupture due to collision	Contamination of stormwater	Unlikely	Established traffic management plan on site Induction for all contractors on site (including truck drivers) Spillage booms and sand exist on site to prevent diesel entering waterway.
<b>Scenario 2:</b> Diesel leak from truck	*Contamination of stormwater *Slip hazard	Unlikely	Spill kit available on site
<b>Scenario 3:</b> Diesel leak from diesel tank held on site	Contamination of stormwater Slip hazard	Possible	Battery operated pump with safety stop mechanism to prevent leaking Tank is stored in a sheltered concrete bund
<b>Scenario 4:</b> Cementitious product into storm water drains/tank	Contamination of stormwater	Possible	Drain protection filters Drain protection filters to be regularly monitored and cleaned as required
<b>Scenario 5:</b> Failure of silo top	*Release of cementitious product into the atmosphere *Respiratory or eye irritation	Unlikely	Overpressure vents High level alarms High level alarm test
<b>Scenario 6:</b> Dust collector malfunction	*Release of cementitious product into the atmosphere *Respiratory or eye irritation	Possible	Visual observation – Daily check, weekly report

<p><b>Scenario 7:</b> Loading/Unloading issues causing cementitious product release into the air</p>	<p>*Release of cementitious product into the atmosphere *Respiratory or eye irritation</p>	<p>Possible</p>	<p>All truck drivers to be inducted to site including loading and unloading procedures</p>
<p><b>Scenario 8:</b> Uncontrolled release of cementitious material from a silo</p>	<p>*Release of cementitious product into the atmosphere *Respiratory or eye irritation</p>	<p>Possible</p>	<p>Secondary isolation point (knife gate) for maintenance on valves and air slides Warning sign on silo about removing actuator Procedure for silo maintenance</p>



## 2.5 Pollution Incident Management Process



## 3 Emergency Equipment

### 3.1 First Aid Personnel

There are a number of first aid personnel on site at any given time. If you have an injury that requires first aid attention, contact the site manager or supervisor for assistance. They can arrange appropriate treatment.

### 3.2 First Aid Equipment

There is a first-aid kit in a number of locations around site. The first-aid kit is marked with a green sign with a white cross on it.

### 3.3 Emergency eye wash

There are emergency eye-washing units located strategically around site.

### 3.4 Firefighting Equipment

Firefighting equipment is located around the site.

In an emergency, fight a fire only if you are trained in firefighting techniques and if it is safe to do so.

### 3.5 Emergency Exits

There are emergency exits in all buildings on site. These are identified by the green and white "EXIT" signs above the door. Be aware of the nearest emergency exit to your work area. Always keep emergency exits clear.

### 3.6 Emergency Evacuation Area



Emergency Evacuation Assembly



### 3.7 Pollution Incident Safety Equipment

Spill containment equipment is located near the diesel tank on site.

### 3.8 Safety Data Sheets (SDS)

SDS for all hazardous chemicals kept on site can be found in the BPS office.

## 4 Protocol for Notification of Incidents

The number mentioned above is manned 24 hours. The person manning the telephone will try and capture as much information as possible from the complainant, including:

- The date and time of the complaint
- The method by which the complaint was made
- Any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect
- The nature of the complaint

All this information can be captured through an Environment Incident Report in IRIS.

**The person receiving the complaint MUST make the Pollution Incident Chief aware of the complaint immediately.**

BPS Kembla Grange Site Manager, Nadine Livett has been designated the Pollution Incident Chief (PIC). She is responsible for managing the *pollution incidents*.

If the *pollution incident* does or is likely to be a breach of EPA licence requirements, or *material harm to the environment* is caused, Senior Management Team must be advised immediately. The relevant member of the Senior Management Team will either notify the relevant authorities in the event of a *pollution incident* or instruct the PIC to do so.

### 4.1 Authorities to be Notified

The following authorities shall be notified:

Authority	Contact Number
Fire & Rescue NSW*	000
EPA	131 555
SafeWork NSW	13 10 50
Wollongong Council	4227 7111 – After hours 1300 557 980
Ministry of Health	93919000



## 4.2 Communicating with neighbours and local community

In the event of a *pollution incident*, BPS' neighbours are to be notified if the incident is likely to have an impact on their property or operation.

The most likely scenario affecting neighbours would be air emissions.

Below is a list of the closest neighbours to BPS.

Neighbouring company	Address	Contact Number
Bohler Uddeholm Australia	281 Princes Hwy Unanderra	02) 4272 6544
Wollongong City Security	7/295 Princes Hwy Unanderra	02) 4226 1966
Onsite Rental Group	281 Princes Hwy Unanderra	02) 4257 2534
J&L Borgo Peters Ice Cream	2/289-295 Princes Hwy Unanderra	02) 4272 8518
Unanderra Auto Care	283 Princes Hwy Unanderra	02) 4272 7772
Always Rigging and Lifting Gear	279 Princes Hwy Unanderra	02) 4272 8000
Grandma Rosies Fruit Market	5/283 Princes Hwy Unanderra	02) 4229 7127
All Source Aluminium Supplies	281 Princes Hwy Unanderra	02) 4271 7433

All notification is to be done by PIC via the above noted telephone numbers.

Dependent on the type of incident, wind conditions, PIC will determine which neighbours need to be contacted. PIC will provide them with specific information to minimise the risk of harm and keep them updated on the progress.

## 5 Waste Disposal

After a spill has been cleaned up it is important to dispose of the material and the contaminated clean-up products correctly. Disposal requirements for the two identified spill risks for the site are listed below:


- Diesel – Diesel is classified as a 'liquid waste' under the NSW EPA classification system. Liquid waste cannot be disposed of as 'general waste' and must be disposed through a licensed waste disposal facility.
- Cement – Cement is classified as 'hazardous waste' under the NSW EPA classification system. Hazardous waste cannot be disposed of as 'general waste' and must be disposed of through a licensed waste disposal facility.




**Authorisation**

This PIRMP has been reviewed for currency and suitability. It shall now be considered effective from the signed date below.

**Chief Pollution Incident Controller**

Name	Signature	Date
NADINE LIVETT		29/10/19

**Deputy Chief Pollution Incident Controller**

Name	Signature	Date
STEPHEN BAGGOTT		24/10/19



## Appendix 1 – Site Drainage Map

