

3.10.13 Pollution Incident Response Management Plan (PIRMP)

Directorate	Assets and Operations
Responsible Officer	Manager Waste Services

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Objectives

The objectives of this Pollution Incident Response Management Plan (PIRMP) are to:

1. Provide comprehensive and timely communication about a pollution incident to:
 - a. Staff at the premises
 - b. The EPA
 - c. Department of Health
 - d. SafeWork NSW Fire and Rescue Services
 - e. Members of the community who may be affected
2. Minimise and control the risk by identification and planned actions.
3. Identify staff training requirements, allocation of responsibilities and regular testing of the plan.

The PIRMP refers to detailed procedures which are to be implemented subject to the type of incident.

Definition of Pollution Incident

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”.

- 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 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.

It does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.

Responsibility for Activating the Plan

The following staff members have responsibility to perform the following roles in the event of a pollution incident.

Responsible for making first assessment and response, taking pre-emptive action and immediately advising Waste Services Manager		
Waste Operations Superintendent	0437 924 491	0437 924 491
Responsible for making second assessment and Activating Plan. Responsible for advising Director		
Waste Services Manager	6499 2189 0400 932 056	6499 2284 0400 932 056
Responsible for Activating Plan in absence of Waste Services Manager		
Director Assets and Operations	6499 2218 0457 606 185	0457 606 185

Actions taken immediately after a pollution incident

The Waste Operations Superintendent (or delegate) shall make first assessment of pollution incident and take first response action if practicable.

The following should be considered only where taking such actions may minimise or prevent any risk of harm to human health or the environment. This plan is to be read in conjunction with the detailed site procedures, and these actions should only be implemented where the risks associated with these measures have been considered, and the safety of personnel implementing these measures is not compromised.

A risk assessment shall be undertaken in accordance with Council's procedure (WH&S Manual section 9.2).

This Plan should be read in conjunction with BVSC Waste Services procedures and WHS Manual

In the event of fire or explosion:
Evacuate site in accordance with evacuation plan
Ensure all site visitors and staff are accounted for
Assess whether there is need for first aid or medical treatment amongst staff and visitors – Call 000 for ambulance if required.
Contact Fire & Rescue 000 and Waste Services Manager
Deployment of pumps & fire hose
Deployment of earth moving equipment to smother or isolate fire from other flammable materials if practicable
Contain or extinguish fire if practicable – otherwise await assistance from NSW Fire & Rescue Services.

In the event of a significant spill of chemicals, fuels or oil:

Evacuate site in accordance with evacuation plan

Ensure all site visitors and staff are accounted for

Assess whether there is need for first aid or medical treatment amongst staff and visitors – Call 000 for ambulance if required.

Contact Fire & Rescue 000 (Hazmat) and Waste Services Manager

Deploy mobile spill kit if practicable using PPE provided in kit.

Deploy earthmoving equipment to contain spill either by bunding or by use of absorbent materials

In the event of a significant slope failure resulting in waste and/or leachate spillage (e.g. landfill or dam wall failure):

Isolate the affected area. Evacuate & close the site if appropriate.

Contact Waste Services Manager

Deploy earthmoving equipment to contain leachate spill by ponding/bunding if practicable

Deploy pumps and draw down leachate level pumping to appropriate storage dam if practicable or reinject to landfill in a stable, lined cell area.

In the event of a biosecurity hazard (e.g. uncontrolled dumping of diseased plant or animal matter):

Isolate the affected area. Evacuate & close the site if appropriate.

Contact Waste Services Manager & Department of Primary Industries

Second Assessment

The Waste Operations Superintendent shall contact the Waste Services Manager who will attend the site without delay, and undertake a second assessment of the incident.

The Waste Services Manager shall determine whether the incident is notifiable and activate the PIRMP accordingly.

Notifications

The Waste Services Manager shall notify the following authorities, without exception, immediately upon assessing the incident:

Contact Authority	Phone Number
Environment Protection Authority EPA – Environment Line	131 555
Fire & Rescue NSW	000
NSW Health Department – Public Health Unit	(02) 6080 8900
SafeWork NSW	131 050

For bio-security incidents

NSW Department of Primary Industries DPI – Bega Emergency Management	02 6491 7800
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Inventory of Pollutants

The inventory of pollutants is provided as a guide for emergency purposes to estimate the potential scale, and appropriate response to an incident. The storage locations are provided in the site diagrams in Appendix 1.

Pollutant	Merimbula R&WD	Bermagui R&WD	Eden R&WD	CWF
General solid waste landfill	0.5 million tonnes	0.25 million tonnes	0.25 million tonnes	20,000 tonnes/annum
Vegetation waste stockpiles	Up to 3000 tonnes at any one time	Up to 500 tonnes at any one time	Up to 500 tonnes at any one time	N/A
Compost/mulch stockpiles	Up to 3000 tonnes at any one time	Up to 500 tonnes at any one time	Up to 500 tonnes at any one time	N/A
Timber stockpiles	Up to 100 tonnes at any one time	Up to 50 tonnes at any one time	Up to 50 tonnes at any one time	N/A
Tyre stockpiles	Up to 50 tonnes at any one time	Up to 50 tonnes at any one time	Up to 50 tonnes at any one time	N/A
Mattress stockpiles	Up to 100 mattresses at any one time	Up to 100 mattresses at any one time	Up to 100 mattresses at any one time	N/A
Leachate storage	Up to 1ML in landfill cells and storage tanks	Up to 1ML in landfill cells and storage dams	N/A	13ML in 3 dams
Sediment laden water storage	Up to 1ML in dams	Up to 0.5ML in storage dam	Up to 0.2ML in storage ponds	Up to 3.5 ML in 2 dams.
Fuels and oils	Up to 2000L in plant and stored on site (lubricants)	Up to 2000L in plant and stored on site (lubricants)	Up to 2000L in plant and stored on site (lubricants)	Up to 2000L in plant and stored on site (lubricants)
Oil/water mixture	Up to 20,000L in concrete storage tank	N/A	N/A	N/A
Chemicals	Up to 200L in storage	Up to 200L in storage	Up to 200L in storage	Up to 200L in storage

Safety Equipment

The following safety equipment is provided to minimise the risks to human health and to the environment and to contain or control a pollution incident. The equipment locations are provided in the site diagrams in **Appendix 1**.

Equipment	Merimbula R&WD	Bermagui R&WD	Eden R&WD	CWF
Mobile Spill Kits	At gatehouse	At gatehouse	At gatehouse	At machinery shed
Fire extinguishers	At gatehouse	At gatehouse	At gatehouse	At gatehouse & plant
Fire hose reels	At gatehouse	At green (buy back) shed	At gatehouse	Mobile – on water trailer
Hydrant points	See maps	See maps	See maps	N/A
PPE	At gatehouse or Council store (Maher St)	At gatehouse or Council store (Maher St)	At gatehouse or Council store (Maher St)	Site office
First Aid Kits	At gatehouse	At gatehouse	At gatehouse	Site office

Communicating with Neighbours and the Local Community

In the event of a notifiable incident occurring, owners or occupiers of premises in the vicinity of the licenced premises shall be advised and updated in one or more of the following ways, depending on the risks posed by the incident:

Nature of pollution incident	Mechanism for warning residents
Risk to health and safety of nearby residents appreciable	Door knocking, telephone and/or letterbox drops
Risk to health and safety of nearby residents not appreciable	Media release and Council website

Minimising Harm to Site Staff and Visitors

Refer to Initial Assessment & First Response. The emergency evacuation plan is displayed at each gatehouse. The Emergency Evacuation Plan shall be activated in the event of a significant pollution incident, where there is an appreciable risk to the health and safety of site staff and visitors.

Maps

Diagrams are provided in Appendix 1, indicating the location of the premises and surrounding area that may be affected in a pollution incident. The diagrams show the location of various storage areas, stormwater drains, dams and discharge points.

Staff Training

Site staff shall be trained in PIRMP procedures as part of site specific workplace induction. The training shall:

- Raise awareness of the Plan amongst site staff
- Types of pollution incidents which may occur at waste facilities
- First assessment and response, and
- The various roles and responsibilities involved in activating the Plan.

Training exercises will be carried out periodically during testing of the plan.

Records of training will be recorded in site induction matrix, toolbox talk minutes and in site diaries.

Availability of Plan

The plan shall be kept in the site procedures folder at each licenced premises. A public summary of the Plan is available on Council's website.

Testing of Plan

Plans shall be tested by a combination of desktop review & update, and site drills.

Records of testing, including what was tested, and the staff member who undertook the test shall be recorded in the revision history and Appendix 2.

The Plan is a Controlled document. Review and update of the plan is authorised by the Waste Services Manager.

Implementation of Plan

The Plan shall be implemented immediately in the event of material harm to the environment being caused or threatened.