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# Pollution Incident Response Management Plan

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Deniliquin Waste Landfill  
Depot

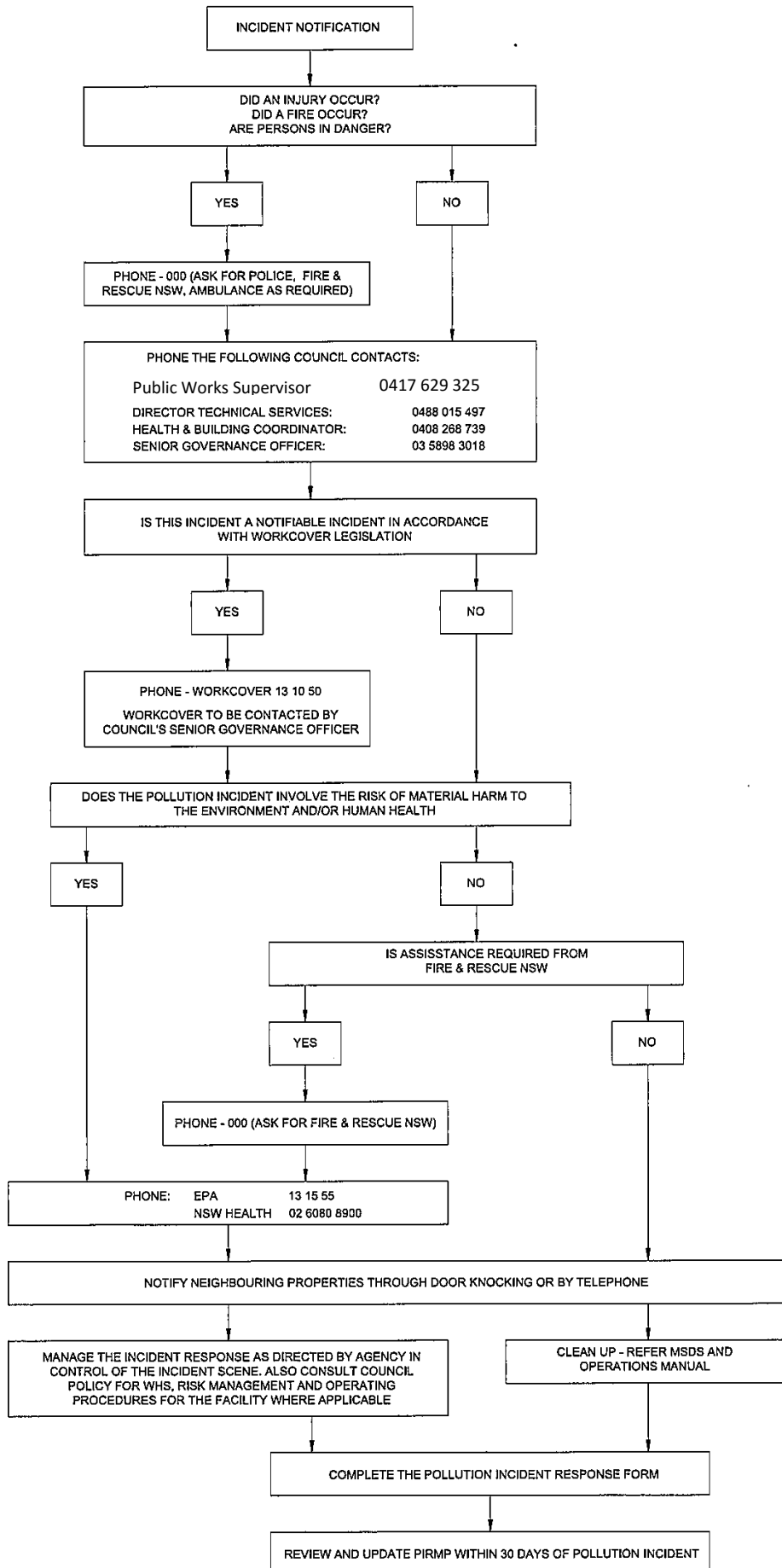
EPA License: 6188

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November 2016

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**POLLUTION INCIDENT DECISION FLOWCHART**



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## 1. INTRODUCTION

Council was notified by the EPA in January 2012 of the following (as set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO(G) Regulation)):

- All 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);
- Licensees must keep the plan at the premises to which the environment protection licence relates or, in the case of trackable waste transporters and mobile plant, where the relevant activity takes place (section 153D, POEO Act);
- Licensees must test the plan in accordance with the POEO(G) Regulation (clause 98E); and
- 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).

This document sets out Council's response to pollution incidents for EPA Licence 6188.

## 2. DETAILS OF PREMISES

The details of the premises for which this Pollution Incident Response Management Plan (PIRMP) relates to is defined in Section A2 of EPA Licence 6188, as follows:

**Deniliquin Waste Disposal Depot**

**Hay Road**

**Deniliquin**

**NSW 2710**

**Edward River Council**

**Nearest Crossroad: Tip Road**

### **GPS Co-ordinates**

<b>Easting</b>	<b>Northing</b>	<b>Longitude WGS84</b>	<b>Latitude WGS84</b>
313951.5	6070667.7	144.560438607	-35.325164870

### **Premises Details:**

**Owner: Edward River Council**

**Legal Description: Lot 167 DP722062**

### 3. DEFINITION OF POLLUTION INCIDENT

The definition of a pollution incident is:

**“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 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.

Industry is now required to report pollution incidents **immediately** to the EPA, NSW Health, Fire and Rescue NSW, WorkCover NSW and the local council. ‘Immediately’ has its ordinary dictionary meaning of promptly and without delay.

### 4. POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS

A risk assessment and analysis for pollution incidents at the Deniliquin Waste Landfill Site is included in **Appendix A**. This includes:

- Description of potential pollution incidents;
- Risk assessment for these potential incidents based on likelihood and impact; and
- Contributing factors that may lead to the incident occurring.

### 5. POLLUTION INCIDENT RESPONSE DECISION FLOW CHART

A flow chart detailing the decision making process regarding pollution incident responses is included at the start of this document. The flowchart provided for all staff involved in a pollution incident as to theirs, and Councils, legislative and regulatory responsibilities.

All staff involved with the Deniliquin Waste Landfill Depot shall be trained in the use and requirements of this flow chart.

A copy of the flow chart and contact details shall be placed in the following locations:

- Site office at the Deniliquin Waste Landfill Depot.

## 6. NOTIFICATION OF POLLUTION INCIDENT

Where the pollution event incident causes or threatens material harm to the environment or human health, all the following authorities must be notified by the Depot Supervisor or staff member in charge of the landfill depot at the time of the incident:

### NOTIFICATION OF RELEVANT AUTHORITIES

#### 1. Emergency Call Services

- **Emergency Hotline Number (24 hours)** **000**

The Site Supervisor should call 000 if the incident presents an immediate threat to human health and/or property and a combat agency is required and then notify all other parties noted below including NSW Fire and Rescue via a local telephone number.

#### 2. Edward River Council

- Public Works Supervisor 0417 629 325
- Works Manager 0418 681 062
- Director Technical Services 0488 015 497

#### 3. Environmental Protection Authority

- Albury Regional Office 02 6022 0600
- Emergency Hotline (24 hours) 131 555

#### 4. NSW Ministry of Health (via Public Health Units)

- Albury Regional Office 02 6080 8900
- Public Health Officer (24 hours) 02 6080 8900

Ask for Public Health Officer on call

#### 5. WorkCover NSW

- Hotline Number 13 10 50

#### 6. Fire and Rescue NSW

- Deniliquin Fire and Rescue NSW station 0419 626 956
- Rural Fire Service – Duty Officer 03 5881 6297

**7. NOTIFICATION OF POLLUTION INCIDENT REPORTING FORM**

A copy of the Pollution Incident reporting Form is attached in **Appendix B** of this document.

**8. SAFETY EQUIPMENT AND INFRASTRUCTURE USED TO CONTAIN OR CONTROL IMPACT OF POLLUTION INCIDENT**

Safety equipment and infrastructure at the Deniliquin Waste Landfill depot used for the control and containment of pollution incidents include:

- Bunding for all liquid storage areas such as fuels and oils;
- Plant and equipment on site for the construction of earthen bunds and drains as necessary to contain spills;
- Lined ponds where any material or liquids recovered from an incident may be stored, this may be any impervious material that can be used as a temporary bund;
- Regular inspections to ensure the site is free of contamination and that leachate system is operating correctly.

**9. NAME AND CONTACT DETAILS OF OWNERS AND OCCUPIERS OF PREMISES IN THE VICINITY**

Details of properties in the vicinity of the Waste Landfill depot may be sourced directly from Council's intranet/GIS system.

Council staff shall contact residents during a pollution incident by door knocking at the discretion of the combat authority or Council's Director Technical Services.

**10. PERSONNEL AND STAFF TRAINING**

Training shall be provided to relevant staff, including all staff that work at the Waste Landfill Depot site, in the implementation of this PIRMP. A register of staff that have been trained is included in **Appendix C** of this document.

**11. TESTING OF THE PIRMP**

Testing of the PIRMP shall be conducted on a yearly basis as a desktop exercise with scenarios based on the site conditions.

Safety equipment noted in this PIRMP shall be inspected yearly as part of the testing procedure.

Records of the tests shall be included in **Appendix D** of this document.

## **APPENDIX A**

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### **POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS**



**Table A1 – Pollution Incident Classification, Risk Assessment and Contributing Factors**

<b>Description of Pollution Incident</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Contributing Factors</b>
Identifying non-domestic quantities (more than 200 millimetres per tonne or 200 grams per tonne) of hazardous substances among waste	Medium	Low	Human errors made during waste screening
Surface or subsurface fires at active landfill or public receival areas	Medium	Medium	High winds, dry weather, prolonged high temperatures and low humidity. Human errors made during waste screening. Poor maintenance of plant and equipment. Hot embers in waste deliveries.
Surface or subsurface fire at maintenance and inactive areas	Low	Medium	High winds, dry weather, prolonged high temperatures and low humidity.
Mixing of waste and stormwater	Low	Medium	Prolonged periods of heavy rain, and lack of surface water pond, diversion drains and site maintenance
Identification if any failure of an environmental protection system	Low	Low	Prolonged periods of heavy rain and/or a mechanical failure of the pump at the leachate pond.
Identification of a significant difference in groundwater indicator parameters	Low	Low	Prolonged periods of heavy rain.
Acts of vandalism	Medium	Medium	Increased risk during hours of closure
Any other incident of observation that could potentially pose an immediate environmental	Low	Low	N/A

hazard outside normal  
operating conditions

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## **APPENDIX B**

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### **NOTIFICATION OF POLLUTION INCIDENT REPORTING FORM**

**POLLUTION INCIDENT REPORTING FORM**

Incident No: .....

Time: .....

Date: .....

Duration of Incident: .....

Weather Conditions:

Temperature:..... °C      Wind Speed:..... km/hr

Relative Humidity: ..... %      Wind Direction: .....

Fire Danger Rating: .....      Rainfall since 9am: ..... mm

Location of Incident:

Waste Landfill Depot      Location:.....

Other (Please specify)      Location:.....

.....

Nature of Incident:

Description of the Incident: .....

.....

.....

Actions taken to contain/manage the Incident: .....

.....

.....

Were photos taken:      Yes  No       Were samples taken:      Yes  No

Details of Person Reporting the Incident:

Name: .....      Phone Contact: .....

Section: .....      Date: .....

**POLLUTION INCIDENT REPORTING FORM**

Immediate Action by Supervisor/Manager

1. Require assistance from other agencies to contain, isolate or clean up:      **Yes**       **No**       **Not sure**

**If "Yes" call 000 immediately**

2. Pose any actual or potential harm to human health that is not trivial:      **Yes**       **No**       **Not sure**

- Is it located within 100m of a school, childcare centre, aged care home, hospital?
- Could it impact on users of public areas such as ovals, reserves, waterways?
- Could the impact spread and potentially harm occupants of nearby properties?

3. Pose any actual or potential harm to ecosystems that is not trivial:      **Yes**       **No**       **Not sure**

- Could the incident flow/impact on a water body or drainage system?
- Could the incident flow/impact on environmentally sensitive land?

4. Result in actual or potential loss or property damage of an amount over \$10,000.      **Yes**       **No**       **Not sure**

If you answered 'Yes' to any of the above then the incident should be considered as a notifiable 'pollution event'. There is a **duty to notify** the EPA, Ministry of Health, WorkCover and Fire and Rescue NSW immediately after becoming aware of a pollution incident where material harm is caused or threatened. Failure to do so is an offence (Protection of the Environment Operations Act 1997).

Please refer to Pollution Incident Decision Flow Chart and Section 6 of this document for contact details.

**NSW EPA** Call 131 555 Environmental Hotline

Contacted:      **Yes**       **No**       Reason not contacted:.....

.....

Name of EPA Representative:.....

Time and Date:.....      EPA Ref #:.....

Actions required by EPA:.....

.....

.....

**POLLUTION INCIDENT REPORTING FORM**

**NSW Health – Local Public Health Unit** Call 02 6080 8900 Ask for Public Health Officer on duty

Contacted:    **Yes**       **No**       Reason not contacted:.....  
.....

Name of PHU Representative: .....

Time and Date:.....                      PHU Ref #: .....

Actions required by PHU: .....

.....

.....

**WorkCover Authority** Call 13 10 50

Contacted:    **Yes**       **No**       Reason not contacted:.....  
.....

Name of WorkCover Representative: .....

Time and Date:.....                      WorkCover Ref #: .....

Actions required by WorkCover: .....

.....

.....

**Fire & Rescue NSW** Call 000

Contacted:    **Yes**       **No**       Reason not contacted:.....  
.....

Name of Fire & Rescue Representative: .....

Time and Date:.....                      Fire & Rescue Ref #: .....

Actions required by Fire & Rescue: .....

.....

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**POLLUTION INCIDENT REPORTING FORM**

Preliminary Investigation:

Notes from Discussions with relevant operational staff: .....

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Any further observations or comments by Supervisor / Manager: .....

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Details of Appropriate Section Supervisor/Manager Reporting the Incident:

Name: ..... Phone Contact: .....

Section: ..... Date: .....


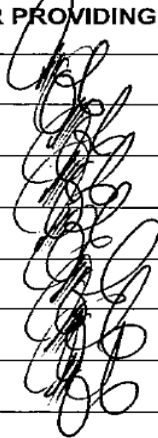
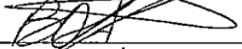

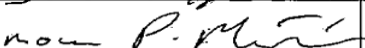
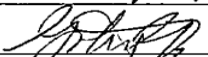

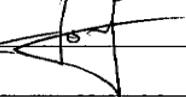


## **APPENDIX C**

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### **STAFF TRAINING REGISTER**

I CERTIFY THAT I HAVE BEEN INSTRUCTED IN THE PROCEDURES REQUIRED FOR DENILIQUN COUNCIL'S RESPONSE TO POLLUTION INCIDENTS AS REQUIRED UNDER THE POLLUTION OF THE ENVIRONMENT LEGISLATION AMENDMENT ACT 2011:

DATE	NAME	SIGNATURE	NAME OF STAFF MEMBER PROVIDING TRAINING	SIGNATURE OF STAFF MEMBER PROVIDING TRAINING
16-11-16	P THOMMERS		M COOK	
17-11-16	B-Knight		M COOK	
17-11-16	B. McWear		M COOK	
17-11-16	PETER MAISS		M COOK	
17-11-16	G. PHILLIS		M COOK	
17-11-16	G. STAMMERS		M COOK	
17-11-16	J. STAMMERS		M COOK	

**I CERTIFY THAT I HAVE BEEN INSTRUCTED IN THE PROCEDURES REQUIRED FOR EDWARD RIVER COUNCIL'S RESPONSE TO POLLUTION INCIDENTS AS REQUIRED UNDER THE POLLUTION OF THE ENVIRONMENT LEGISLATION AMENDMENT ACT 2011:**

<b>DATE</b>	<b>NAME</b>	<b>SIGNATURE</b>	<b>NAME OF STAFF MEMBER PROVIDING TRAINING</b>	<b>SIGNATURE OF STAFF MEMBER PROVIDING TRAINING</b>

## **APPENDIX D**

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### **PIRMP TEST RECORDS AND UPDATE REGISTER**

**PIRMP TESTING AND UPDATE REGISTER**

<b>VERSION</b>	<b>DATE</b>	<b>TEST OR UPDATE</b>	<b>LAST INCIDENT DATE</b>	<b>SUPERVISOR'S ADVISED DATE</b>	<b>DETAILS</b>
1	25/11/2013	Update			BELOW
Issue of Version 1 of PIRMP.					
2	25/11/2014	Test/Update			BELOW
Desktop test conducted with Supervisors and Waste Depot Staff. Used as a training period for the staff.					
3	17/11/2016	Test/Update			BELOW
Desktop test conducted with Supervisors and Waste Depot Staff. Used as a training period for the staff.					