



**GEOLYSE**

**POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN  
OPHIR ROAD RESOURCE RECOVERY CENTRE**

**PREPARED FOR  
ORANGE CITY COUNCIL**

**AUGUST 2012**

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MANAGEMENT PLAN**  
OPHIR ROAD RESOURCE RECOVERY CENTRE

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POSTAL ADDRESS PO Box 1963  
LOCATION 154 PEISLEY STREET  
TELEPHONE 02 6393 5000  
EMAIL [ORANGE@GEOLYSE.COM](mailto:ORANGE@GEOLYSE.COM)

ORANGE NSW 2800  
ORANGE NSW 2800  
FACSIMILE 02 6393 5050  
WEB SITE [WWW.GEOLYSE.COM](http://WWW.GEOLYSE.COM)

<b>Report Title:</b>	<i>Pollution Incident Response Management Plan</i>
<b>Project:</b>	<i>Ophir Road Resource Recovery Centre</i>
<b>Client:</b>	<i>Orange City Council</i>
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Geolyse Pty Ltd and the authors responsible for the preparation and compilation of this report declare that we do not have, nor expect to have a beneficial interest in the study area of this project and will not benefit from any of the recommendations outlined in this report.

The preparation of this report has been in accordance with the project brief provided by the client and has relied upon the information, data and results provided or collected from the sources and under the conditions outlined in the report.

All information contained within this report is prepared for the exclusive use of Orange City Council to accompany this report for the land described herein and is not to be used for any other purpose or by any other person or entity. No reliance should be placed on the information contained in this report for any purposes apart from those stated therein.

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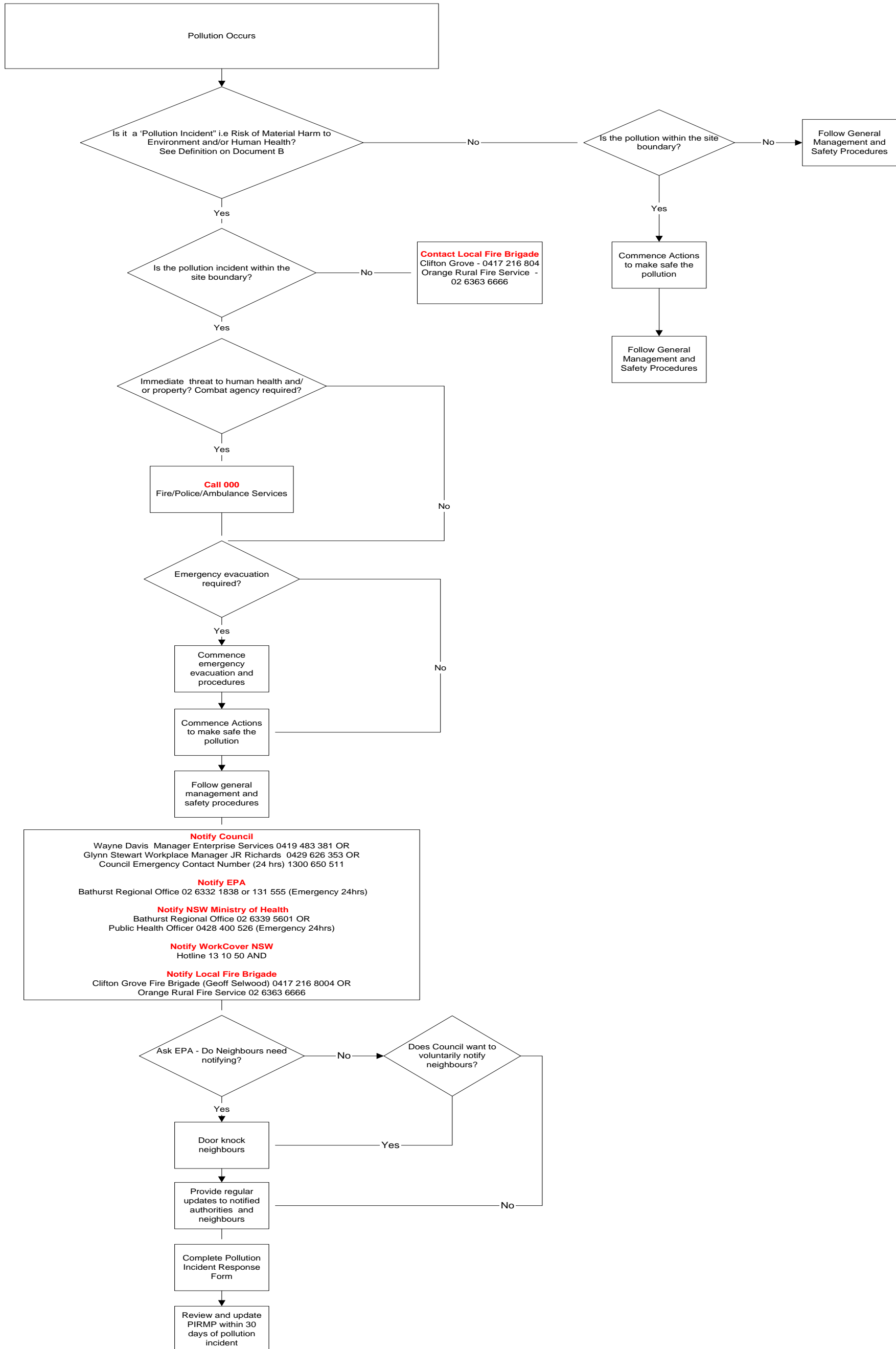
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## 1.0 POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS

**Table 1.1 – Pollution Incident Classification, Risk Assessment and Contributing Factors**

Description of Pollution Incident	Likelihood	Impact	Contributing Factors
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, public receival areas& recycling facility	Medium	Medium	High winds, dry weather, prolonged high temps and low humidity. Human errors made during waste screening, poor maintenance of plant and equipment, spontaneous combustion, hot embers in waste deliveries.
Surface or subsurface fires at maintenance and inactive areas	Low	High	High winds, dry weather, prolonged high temps, low humidity and spontaneous combustion.
Mixing of leachate and stormwater or waste and stormwater	Low	Medium	Prolonged periods of heavy rain, and lack of surface water pond and site maintenance.
Identification of 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
Confirmation of subsurface gas migration in a perimeter gas well at greater than 1.25 per cent methane (volume for volume)	Low	Low	n/a
Confirmation of surface gas at the landfill at greater than 1.25 per cent methane (volume for volume)	Low	Low	n/a
Confirmation of gas accumulated in buildings at greater than 1.25 per cent methane (volume for volume)	Low	Low	On-site buildings which have not been designed to prevent accumulation of methane gas.
Acts of vandalism or target of terrorist activity	Low	Medium	Increased risk during hours of closure
Any other incident or observation that could potentially pose an immediate environmental hazard outside normal operating conditions	Low	Low	n/a

## 2.0 DOCUMENT A - POLLUTION INCIDENT DECISION FLOW CHART



### 3.0 DOCUMENT B – POLLUTION INCIDENT EMERGENCY CONTACT DETAILS

#### 3.1 DEFINITION OF POLLUTION INCIDENT

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 1997*:

- “(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, 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.”*

#### 3.2 NOTIFICATION OF POLLUTION INCIDENT

##### 3.2.1 Notification Speed of Response

The requirement for notification of a pollution incident has changed from 'as soon as practicable' to 'immediately'. In short, 'immediately' means 'promptly without delay', but it does not mean undertaking notification ahead of doing what is necessary to make safe.

##### 3.2.2 Notification of Relevant Authorities

Where the pollution incident causes or threatens material harm to the environment or human health, all the following authorities must be notified by the Site Supervisor:

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#### Notification of Relevant Authorities

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##### 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 (i.e. NSW Fire and Rescue, NSW Ambulance Service, NSW Police Force) and then notify all other parties below including NSW Fire and Rescue via a local telephone number.

##### 2. Orange City Council

- Wayne Davis, Manager Enterprise Services, Orange City Council 0419 483 381
- Glynn Stewart, Workplace Manager, JR Richards 0429 626 353
- Council Emergency contact number (24 hours) 1300 650 511

##### 3. The Environment Protection Authority (EPA)

- Bathurst Regional Office 02 6332 1838
- Emergency Hotline Number (24 hours) 131 555

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

- Bathurst Regional Office 02 6339 5601
- Public Health Officer on Call (24 hours) 0428 400 526

##### 5. WorkCover NSW

- Hotline Number 13 10 50

##### 6. Fire and Rescue NSW

- Clifton Grove Fire Brigade (Geoff Selwood) 0417 216 804\*\*
- Orange Rural Fire Service 02 6363 6666\*\*

\*\* If there is no immediate threat to human health and/or property i.e. a combat agency is not required, then the Site Supervisor is still required to follow that outlined above except for dialling 000.

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## 4.0 POLLUTION INCIDENT REPORTING FORM

<b>INCIDENT No:</b>	<b>TIME:</b>
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<b>DATE:</b>	<b>DURATION OF INCIDENT:</b>
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<b>NATURE OF INCIDENT:</b>

<b>TEMPERATURE:</b> .....°C	<b>WIND DIRECTION &amp; SPEED:</b> .....KM/HR
<b>RELATIVE HUMIDITY:</b> .....%	<b>RAINFALL SINCE 9AM:</b> .....MM
<b>FIRE DANGER RATING:</b> .....	

<b>THE LOCATION OF THE PLACE WHERE POLLUTION IS OCCURRING OR IS LIKELY TO OCCUR:</b>

<b>THE NATURE, THE ESTIMATED QUANTITY OR VOLUME AND THE CONCENTRATION OF ANY POLLUTANTS INVOLVED (IF KNOWN):</b>

<b>THE CIRCUMSTANCES IN WHICH THE INCIDENT OCCURRED, INCLUDING THE CAUSE OF THE INCIDENT (IF KNOWN):</b>

<b>THE CORRECTIVE ACTION TAKEN OR PROPOSED TO BE TAKEN TO DEAL WITH THE INCIDENT AND ANY RESULTING POLLUTION OR THREATENED POLLUTION (IF KNOWN):</b>

<b>HAS COUNCIL BEEN NOTIFIED?</b>	YES	NO
<b>HAS ENVIRONMENT PROTECTION AUTHORITY (EPA) BEEN NOTIFIED?</b>	YES	NO
<b>HAS NSW MINISTRY OF HEALTH (VIA PUBLIC HEALTH UNITS) BEEN NOTIFIED?</b>	YES	NO
<b>HAS WORKCOVER NSW BEEN NOTIFIED?</b>	YES	NO
<b>HAS LOCAL FIRE AND RESCUE NSW BEEN NOTIFIED?</b>	YES	NO



<b>HAS EPA DIRECTED COUNCIL TO NOTIFY NEIGHBOURS?</b>	YES	NO
<b>IF NOT, HAS COUNCIL VOLUNTARILY NOTIFIED NEIGHBOURS?</b>	YES	NO

<b>Signature:</b> .....	<b>Date:</b> .....
<b>Council Officer</b>	
<b>Signature:</b> .....	<b>Date:</b> .....
<b>Manager Enterprise Services, Orange City Council</b>	

## 5.0 PIRMP TESTING & UPDATE REGISTER

Date	Routine Testing	Routine Update	Post Incident Updates	4 New Copies Distributed?

## 6.0 STAFF TRAINING REGISTER

Date	Staff Member	Brief Description of Training Task