

BARGO WASTE MANAGEMENT CENTRE POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN 2012

Trim 358-4#2

(a) Hazards to human health and the environment identified at premises

1 Fire

Three types of fires may occur at Bargo Waste Management Centre (BWMC)

Type 1 Fire in unprocessed vegetation

Type 2 Fire in processed mulch

Type 3 Fire in landfill

Each fire will create smoke and potentially escape from the site to adjoining bushland

2 Landslip

The BWMC presently has steep slopes on the eastern side in the vicinity of a water course. If a significant land slip occurred pollution would occur.

3 Used motor oil

Domestic quantities of used engine oil are received and placed in two 1,000 litre oil storage tanks

(b) Likelihood of hazards occurring

1 Fire

The last fire at the BWMC was in approximately 2004. Fires are more likely to occur during times of high temperatures and wind.

2 Landslip

Only one landslip has occurred at the BWMC and this was in 2005 during a major rain event. The surface water flowed over the edge of the landfill causing erosion and a minor landslip.

The construction of a new surface water treatment pond and changes to the contours at the Centre have reduced the likelihood of a future landslip occurring.

3 Used motor oil

No spillage of the oil stored in the two tanks has occurred

© Pre-emptive action to minimize or prevent any risk of harm to human health at the environment

1 Fire

Type 1 Fire in unprocessed vegetation

- This vegetation is placed in a cleared area a minimum of 50 m from the edge of the site.
- The quantity of material is limited to approximately 2,000m³ before processing

- A serviceable fire tanker is kept on site containing approximately 6,000 litres of water as well as a 30,000 litre water storage tank.

Type 2 Fire in processed mulch

- Processed mulch piles are located a minimum of 50 m from the edge of the site
- Piles are examined daily to ascertain if any signs of temperature increase are occurring (Steam, odour, smoke)
- A serviceable fire tanker is kept on site containing approximately 6,000 litres of water as well as a 30,000 litre water storage tank.

Type 3 Fire in landfill

- Landfilled material covered with 150 mm of soil or an approved alternate cover system after each days filling
- A serviceable fire tanker is kept on site containing approximately 6,000 litres of water as well as a 30,000 litre water storage tank.

2 Landslip

- Surface water directed away from eastern edge of the site to stormwater collection ponds
- Access road provided around the eastern elevation of the site to enable inspections for any early side slope movement.
- Inspections of side slope following rain events

3 Used motor oil

- Two x 1,000 litre used engine oil storage tanks have been inserted in a metal container to prevent any major oil leak from occurring.

(d) Inventory of potential pollutants at the premises

Hazardous chemicals and asbestos cement products are not accepted at the BWMC

3 Used motor oil collection

Used motor engine oil stored in two x 1,000 litre storage tanks located near the site entry.

(e) Quantity of potential pollutants

3 Used motor oil collection

A maximum of 2,000 litres of used motor engine oil is located on the premises.

(f) Safety equipment or other devices used to minimize the risks to human health or the environment or control a pollution incident

1 Fire

A 6,000 litre water storage tanker is kept permanently on site with approximately 6,000 litres of water for use in the event of a fire as well as a 30,000 litre water storage tank. Three portable fire extinguishers are also kept on the premises.

2 Landslip

A surface water pond has been installed and drainage channels constructed to ensure surface water does not travel over edge of landfill.

A road has been constructed along the eastern elevation to enable inspections of the side slope for early signs of land slip.

3 Used motor oil

The two x 1,000 litre oil storage tanks are contained in a separate metal container to prevent any major oil leak from occurring.

(g) **Key person contact details**

- Centre Attendants – Authorised to activate the plan
 - Bob 0419 490599
 - Andrew 0419 490599
- Operations Contractor – Authorised to notify responsible authorities
 - John Ghassibe 0417 282740 / 4683 1287
- Manager Environmental Service – Authorised to contact responsible authorities and to manage the response to the pollution incident.
 - Brad Staggs 0417 258159 / 46771100 / 46810511

(h) **Relevant authorities contact details**

- Regulatory Authority
EPA – Environment Line 131555
- Local Authority
Wollondilly Shire Council – Manager Environmental Services 0417 258159
- Ministry of Health - Local Public Health Unit
Camperdown SSW PHU 95159420 after hours 95156111
- Work Cover Authority 13 10 50
- Fire and Rescue 000

(i) **Mechanism for Early warning and regulate updates to owners and occupiers of premises in vicinity to Bargo WMC**

1 Fire

In the event of a fire at the BWMC following immediate contact with each relevant authority the occupiers of the 95 Ironbarks Road Bargo and 125 Anthony Road Bargo will be notified as soon as practical.

The notification will either be in the form of attendance at the properties and/or the leaving of a note in the properties mail box.

Updates will be provided to the occupiers until the risk of an extended fire event is eliminated.

(j) **Arrangement to minimize risk of harm to people at premises**

1 Fire

Type 1 Fire in unprocessed vegetation

Members of public on the premises will be requested to leave

Public access to the landfill will be prevented until the fire in the unprocessed vegetation is brought under control and it is safe for re-entry to commence.

Type 2 Fire in processed mulch

Public access to the site will only be permitted when no danger from flame or smoke exists.

As fires in processed mulch are usually contained to isolated mulch piles the risk of harm is lower than a type 1 fire.

Type 3 Fire in landfill

The public will not be permitted to deposit material in the section of the landfill burning.

When no flame or smoke hazard exists the public will be permitted to deposit material in an area of the landfill isolated from the area burning.

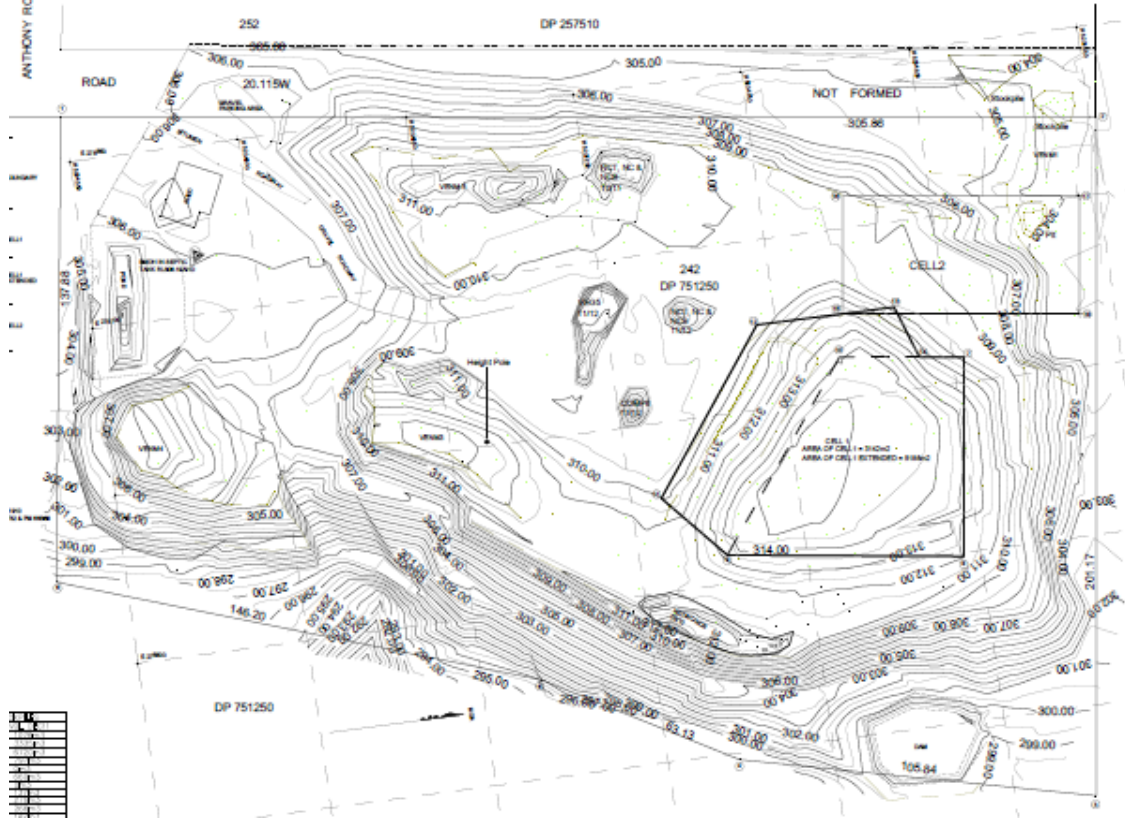
2 Landslip

The public will not be permitted in any section of the landfill that has been affected by any landslip.

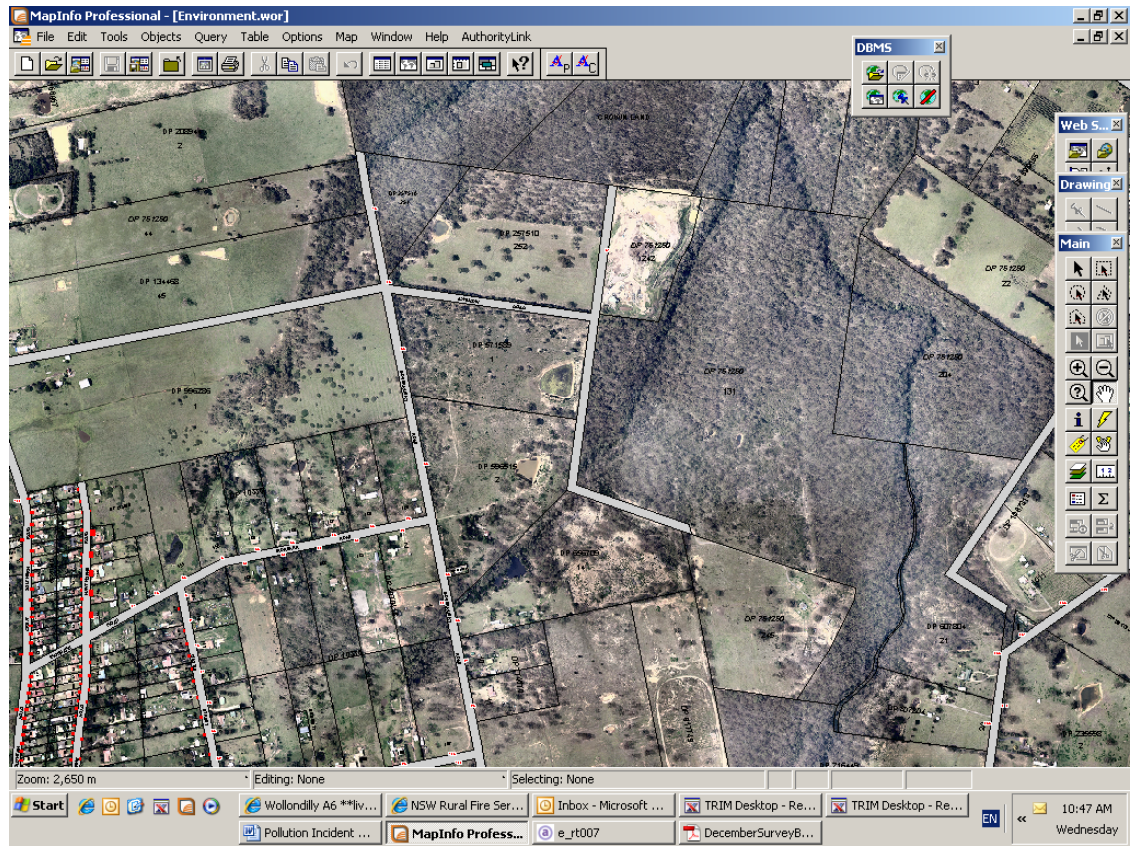
3 Used motor oil

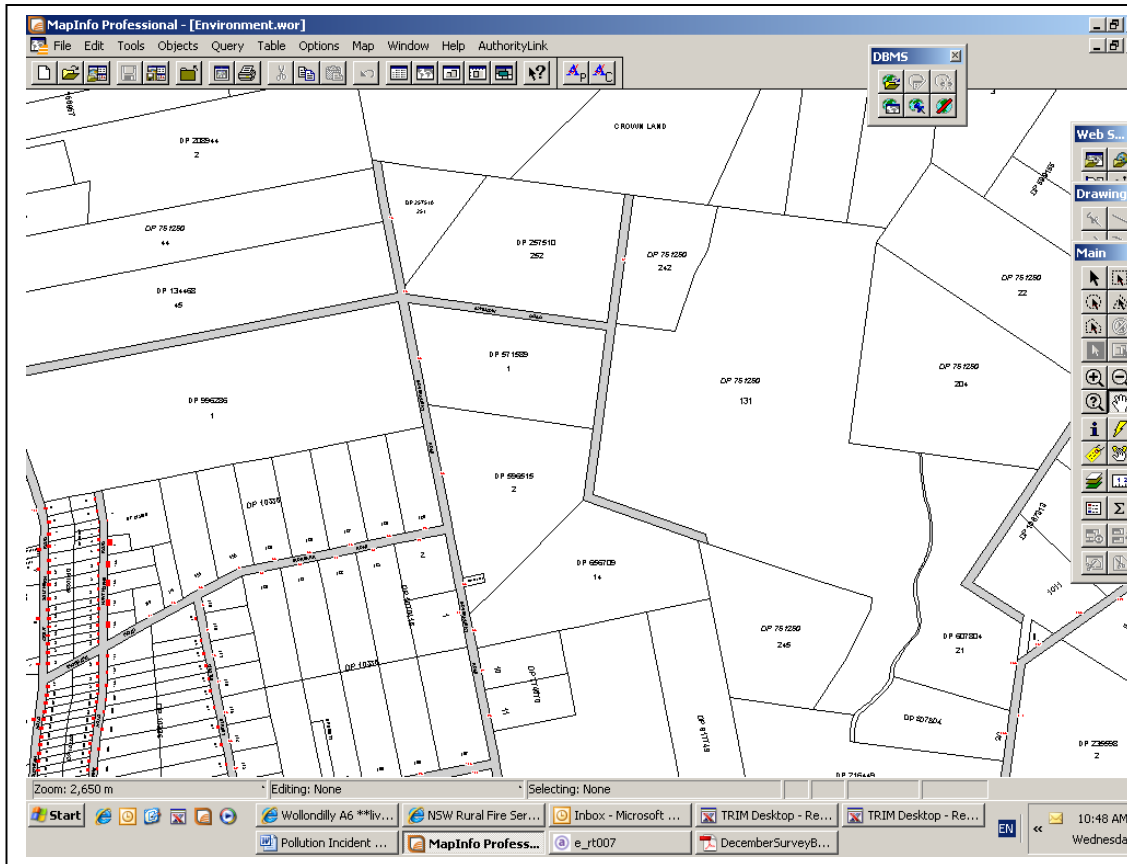
The public will not be permitted in any section of the landfill affected by any oil spillage

(k) **Detailed map of premises and surrounding area**
Map of premises



MAPS OF SURROUNDING AREA





Landfill = Lot 242 DP 751250 Anthony Road Bargo + closed road
 Nearest property = Lot 125 DP 10336 Number 95 Ironbarks Road Bargo
 Other property = Lot 245 DP 751250 125 Anthony Road Bargo

(I) Risk of harm limitation

1 Fire

Summer Season

Vegetation within 50 m of the areas used for vegetation storage and processing will be removed and a fire break provided in the vicinity of the landfill cell.

The water tanker will be serviced and trialed to ensure vehicle fully operational

Vegetation piles of non processed material to be reduced to a minimum.

Material landfilled to be covered on a daily basis with 150mm soil or an approved alternate cover system while intermediate cover of 300 mm to be provided to areas to be exposed for more than 90 days.

Discussion will occur with officers from the NSW Rural Fire Service and any recommendations carried out each year before the fire season commences.

2 Landslip

Surface water drainage channels to be maintained so as to ensure water transfer to surface water dams.

Regular inspections of eastern side slope to be carried out to detect any early evidence of ground movement following rain events

3 Used motor oil

Oil storage tanks to be emptied when 90% full and metal outer container to be maintained to ensure waste oil does not flow on to the ground.

Emptying of the oil tanks to be undertaken in a responsible manner to avoid any oil spillages.

(m) Training

Training of Tip Attendants to be undertaken when staff first engaged. Training updates to be carried out every 12 months during May.

Training to include all matters documented in the Pollution Response Management Plan. Tip Attendant to sign a copy of the plan certifying that the training has taken place with the signed copy forwarded to Council.

Operation Contractor to be trained when engaged. The issue of pollution responses to be a permanent agenda item at the Bargo Waste Management Centre Contract Meetings.

Training of Operations Contractor undertaken on 26/6/2012

(n) Plan Testing Date

The annual test will be undertaken by the Waste Management Officer in conjunction with the Operations Contractor

2013.....

(o) Plan Updated Date

2013

(p) Plan testing and maintenance

Details of the Plan testing and maintenance will be recorded in the minutes of the Bargo Waste Management Centre Contract Meeting.

The annual testing will be undertaken during May and will include the nomination of a pollution incident event and the actions to be taken.

Testing will also within one month after any actual pollution events.

2013

PLAN REVIEW/TRAINING

NAME

POSITION

REVIEW/TRAINING DATE