

Attachment H

Mount Thorley Pollution Incident Response Management Plan

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1. Purpose

This document has been developed to be consistent with the New South Wales Environmental Protection Authority's Guideline for "Preparation of Pollution Incident Response Management Plans" and makes up a component of the over-arching Mt Thorley Emergency Management Plan (8150200-SE-PLA1001).

2. Description and Likelihood of Hazards

The Mount Thorley Environmental Aspects Register (8822-SE-REG8) provides a description of the main hazards to the environment associated with all activities undertaken at the facility. The aspects and impacts listed for each activity represent the hazards.

The likelihood of the hazards occurring has been assessed in the Environmental Aspects Register by applying the Downer Mining Qualitative Risk Analysis Matrix (DM-RM-F21). The Likelihood rating assessed in the Environmental Aspects Register is based on normal operating conditions with all existing controls in place and has taken into consideration surrounding land uses and conditions. Exceptional circumstances that may increase the likelihood of hazards occurring may include:

- significant rain events
- significant drought events
- fires
- unforeseen equipment failures
- operator breach of procedures/ human error
- vandalism

3. Pre-Emptive Actions to be Taken

The Mount Thorley Environmental Aspects Register (8822-SE-REG8) provides a description of all existing controls currently in place for each hazard. The existing controls represent the pre-emptive actions undertaken to minimise or prevent any environmental risk or harm as a result of the activities at the facility. Additional controls are also described in the Environmental Aspects Register. These represent controls that will be in place in the future to further reduce the risks.

4. Inventory of Pollutants

The Mount Thorley Emergency Management Plan provides an inventory of the potential pollutants kept at the facility including location, storage method, UN number, dangerous goods classification and maximum storage quantity. Appendix A of this document provides a map of the facility with the storage locations identified.

5. Pollution Prevention Equipment

Spill kits are available in manufacturing building, these shall include at a minimum:

- gloves
- shovel
- waste bags

- general purpose pads
- general purpose booms
- universal absorbent
- dust pan and brush

In the unlikely event of a large chemical spill, earthmoving equipment may require mobilising to establish protective earthen bunding.

6. Contact Details

The names, position titles and 24-hour contact details of the Downer Blasting Services emergency contacts responsible for activating the plans and managing responses including notifying relevant authorities are listed in Appendix B of this document.

Appendix C of this document is the Notification Procedure for Pollution Incidents. This provides contact details of the relevant authorities requiring notification specifically in the event of potential pollution incidents, as well as the step-by-step notification requirements, including locality plans described below.

7. Communicating with Neighbours and the Local Community

Appendix C of this Plan specifies that neighbours and the local community will be notified of any potential pollution incident via telephone or door-to-door methods. Other communication methods may also be used including letterbox drops, local media, and website notifications. It also provides contact details of neighbours within 500m of the facility.

Appendix C provides a map of the potential downstream path of contaminants should an environmental incident occur where contaminated water is released from the facility. All properties along this downstream path including the stormwater drainage line, Loders Creek and for 2km downstream in the Hunter River are also listed in Appendix C.

8. Maps

Appendix A shows the facility layout including potential pollutant storage areas.

Appendix C provides the facility locality.

Appendix C provides potential downstream path of water contaminants including all properties along the stormwater drainage line, Loders Creek and for 2km downstream in the Hunter River.

9. Actions to be Taken During or Immediately After a Pollution Incident

The Mt Thorley Emergency Management Plan contains the General Emergency Procedure for the site, detailing the actions to be taken during and following all incidents, and requirements to ensure personnel and persons in the vicinity or the emergency remain safe.

Incidents or events that may result in off-site pollution via water discharge shall be managed as follows:

Site Manager

UPON IDENTIFYING ACTUAL OR POTENTIAL WATER RELEASE OFFSITE, NOTIFY OPERATIONS MANAGER AND ENVIRONMENTAL REPRESENTATIVE AS SOON AS PRACTICABLE.

- Monitor and observe weather conditions and rain levels in local area.
- Undertake inspection and assessment of all areas of the site, identifying and initiating actions to minimise the impact of any rain (eg sand-bagging vulnerable areas, ensure pumps are operating).
- If additional rain is forecast, contact Toxfree (02 4015 6404 or 0411 414 454) and put the trucks on standby.
- If a water release event will potentially occur, engage Toxfree (02 4015 6404 or 0411 414 454) to truck water offsite.
- If a water release occurs or looks like it may have already occurred whilst site was unoccupied, take a water sample at the point of discharge and notify Environmental Representative.

Environmental Representative:

- Monitor and observe weather conditions and rain levels in local area.
- Liaise with AECOM (02 4911 4900 or 02 6575 9000 or 0457 806 872) to take required water samples.
- Liaise with Site Manager about forecasts and dam water levels.
- Notify relevant environmental authorities if an uncontrolled water release occurs, in accordance with Appendix E.
- Notify relevant downstream neighbours of release (only when a known discharge occurs during a non-flood event).

Notification Procedure for Pollution Incidents is provided in Appendix C.

Costs of any clean up as a result of pollution incidents will be covered by Downer Blasting Services. Any cost recovery or insurance claims will be pursued following the incident.

10. Staff Training

Training for all personnel is conducted in accordance with the site Training Needs Analysis (Training Matrix). The scope of training is determined by the Training Matrix and is dependent upon the employment classification level. However, at a minimum all persons entering the facility must undertake induction training. Emergency procedure information contained in the inductions includes: key hazards, muster point locations, emergency and evacuation alarms, evacuation procedures, and incident response equipment locations. Training records are maintained on site.

11. Making Plans Available

This plan is located in hard copy at the Mt Thorley facility in Folder 11 - Environment. In addition, this plan is located on the internal DBS Project Management Plan and SharePoint.

The information required to be made available to the public in accordance with clause 98D of the POEO Regulation (G) is available for viewing on Downer Group public website.

<http://www.downergroup.com/About-us/Zero-Harm/Environment/Pollution-Incident-Management-Plans.aspx?Page=1&>

12. Testing Plans

This PIRMP will be tested annually by conducting desktop simulations and/or practical drills. This may be in conjunction with or in addition to the annual site emergency exercise. The test will be recorded in InControl (INX) and any corrective actions assigned to relevant personnel.

a. Historical Testing Records

Historical Test Dates	Method of Testing	Persons Involved
06/08/2014	Practical Drill	D.Christensen, G.Agnew, K.Hartley, A.Grant, M.Lloyd
28/07/2015	Practical Drill	A.Wigg, G.Agnew, B.Taylor, D.Markey, J.McIntyre
06/05/2016	Desktop Simulation	A.Russell

Appendix B –Twenty-four-hour emergency contact details

Downer Blasting Services: Emergency Contacts

Downer Emergency Number 1800 680 402

Position	Role	Mobile Phone	Work Phone
Site Manager	Facility Emergency Controller Fire Warden	0429477674	02 65742409
Compliance Manager	Emergency Services Liaison Officer (Facility Emergency Controller)	0428 739 702	0428 739 702
Operations Manager	Emergency Services Liaison Officer	0427 597 569	
Environmental Representative	Environmental Emergency Services Liaison Officer	0448 319 434	(07) 3026-6641

Appendix C – Notification Procedure for Pollution Incidents

Notification Procedure for Pollution Incidents

If an emergency or incident is determined to have caused or threatened material harm to the environment, Downer Mining will immediately call 000, as per the site Emergency Management Plan. If the incident presents an immediate threat to human health or property Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents.

If the incident does not require an initial combat agency, or once the 000 call has been made, Downer Mining will notify the relevant authorities in the following order:

- the NSW EPA – phone Environment Line on 131 555
- the Department of Health (Newcastle) – phone (02) 4924 6477
- the SafeWork Authority – phone 13 10 50
- the local authority (Singleton Council) – phone (02) 6578 7290
- Fire and Rescue NSW (Singleton) – phone (02) 6578 7290 Note: If the situation warranted calling 000 as a first point of notification, you do not need to ring Fire and Rescue NSW again.

All public enquiries and reporting should be directed to the Downer Complaints Number

1300 884 803

Neighbouring properties that may be affected by a pollution incident will be alerted by Emergency Services and/or Downer Mining through telephone contact or door-to-door notification. Other mechanisms may be adopted appropriate to the circumstances to notify and update the surrounding community of an incident, including:

- Letter box drops;
- Local media sources; and
- Downer website updates and media releases.

Specific information that may be provided to neighbours may include:

- incident description;
- incident status;
- actions being undertaken;
- type of pollutant (air, water, land);
- potential impact area; and
- specific instructions or advice e.g. close windows and doors, remain inside, avoid contact with water in creek, stop animals accessing water in the creek, etc.

Neighbouring property owners who are alerted to an environmental incident can contact the Site Manager for updates regarding the actions taken by Downer Mining to reduce or control any pollution caused by the incident. Neighbour contact details are provided below in Table 1.

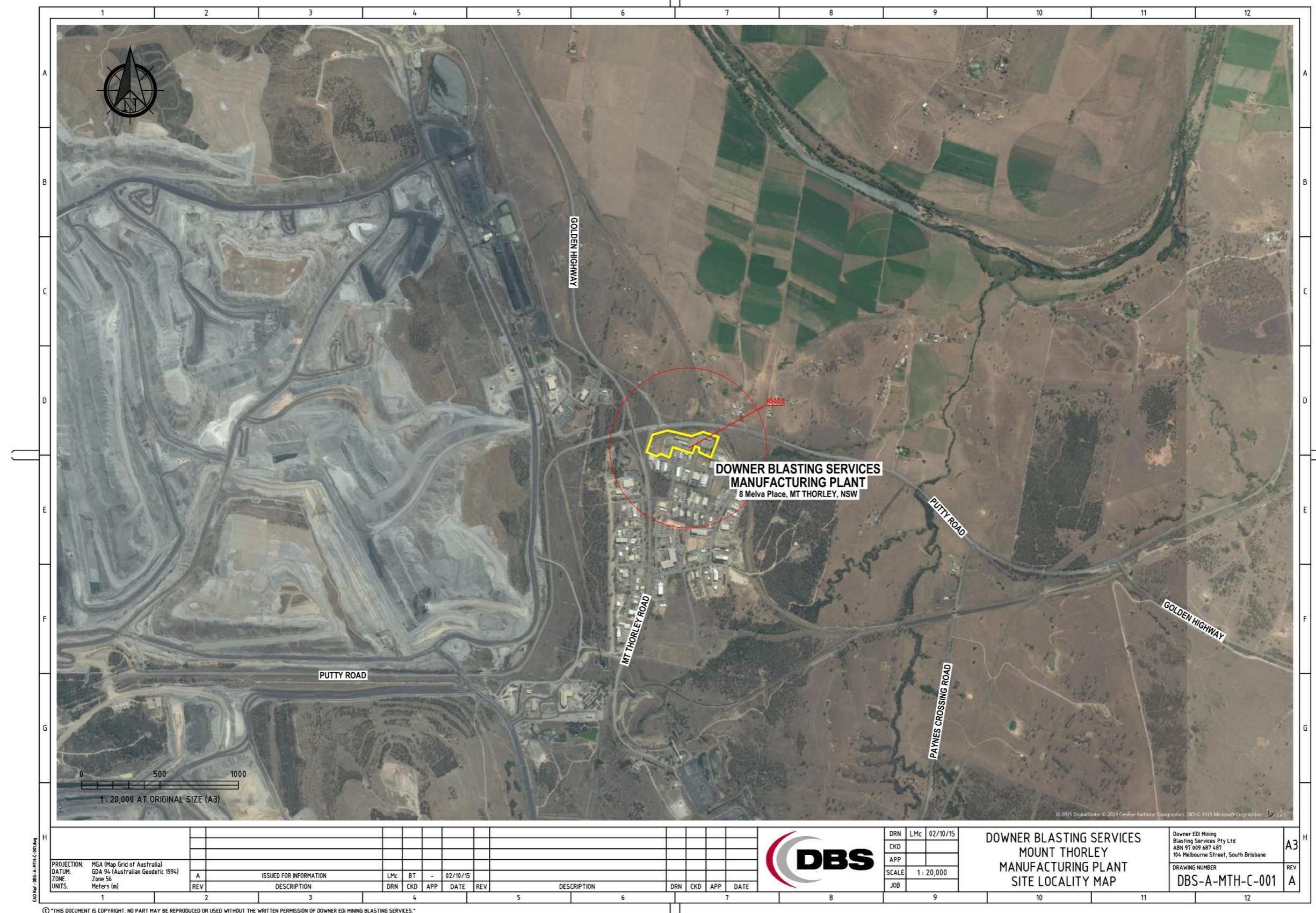
In the event of a contaminated water release emergency or significant incident, all downstream properties along the stormwater drainage line, Loders Creek and for 2km downstream in the Hunter River will be notified as soon as practicable. Plan 1 below provides scale and shows surrounding properties. Plan 2 below provides the Potential Downstream Path of Water Contaminants and Surrounding Lot Details.

Neighbouring Property Contact Details:

Property	Address	Contact Person	Phone
L113 DP262603	Lot 113 Maskey Road Mount Thorley NSW 2330	Hunter Frame & Truss	02 6574 6444
L112 DP262603			
L11 DP1083504	GPO Box 164 Brisbane QLD 4001	Wambo Coal Terminal Pty Ltd	(02) 6570 2200
L12 DP1083504	PO Box 3559 Tingalpa DC QLD 4173	Dyno Nobel Asia Pacific Pty Ltd	(02) 6574 6665
L13 DP1083504			
L7 DP861728	Hillview 984 Putty Road Mount Thorley NSW 2330	Mr PH Russell	(02) 6574 6509 0427 746 509
L12 DP595344	910A Putty Road Mount Thorley NSW 2330	Mrs DC Russell	(02) 6574 6510
L1 DP633933	Locked Bag 6015 Hunter Region MC NSW 2310	Bulga Coal Management Pty Ltd	(02) 6570 2400
L2 DP633933			
L4447			
DP1103007			
L40 DP1147419	PO Box 4140 St Lucia South QLD 4067	Mr TP Hedley	(07) 3871 2330 0417 771 198
L5 DP1051532	PO Box 315 Singleton NSW 2330	Miller Pohang Coal Co Pty Ltd	(02) 6570 0914
L11 DP701717	609C Hambledon Hill Road, Hambledon Hill NSW 2330	J & R A Klasen	(02) 6572 1506 0427 911 908
L1 DP181396			
L1 DP179120	608 Hambledon Hill Road Hambledon Hill NSW 2330	Mr J & Mrs RA Klasen	0427 911 908
L8 DP861728	910 Putty Road Mount Thorley NSW 2330	Mr KD & Mrs SA Isaac	(02) 6574 6508
L2 DP181841	134 Idano Road Wylies Flat NSW 2330	Mrs JM O'Hara	(02) 6572 2728
L19 DP755267	996 Putty Road Mount Thorley NSW 2330	Mr JC & Mrs RR Rumble	(02) 6574 6507 0428 638 373
L18 DP755267	Land & Property MRU PO Box 315 Singleton NSW 2330	Warkworth Mining Ltd	(02) 6570 0914
L108 DP262603	2/29 Maskey Rd, Mt Thorley NSW 2330	F&S Group	(02) 6574 6511 0417 284 960
L109 DP262603	234 Retreat Road Wattle Ponds NSW 2330	Dickson Plant Hire Pty Ltd	(02) 6573 1373
L110 DP262603	Lot 110 Maskey Rd, Mount Thorley NSW 2330	International Explosives Equipment	(02)6574 6673
L111 DP262603	Lot 111 Maskey Rd, Mt Thorley, NSW 2330	SGS	(02) 6574 2306
L112 DP262603	Lot 112 Maskey Rd, Mt Thorley, NSW 2330	Nationwide Tyre Repairs - Peter Hogan	(02) 6574 6700

(Contact details provided by Singleton Council on 9th May 2016)

Plan 1 – Plan providing scale



CS/Rev: DBS-A-MTH-C-001

PROJECTION:	MGA (Map Grid of Australia)
DATUM:	GDA 94 (Australian Geodetic 1994)
ZONE:	Zone 56
UNITS:	Meters (m)

REV	DESCRIPTION	DRN	CKD	APP	DATE	REV	DESCRIPTION	DRN	CKD	APP	DATE
A	ISSUED FOR INFORMATION	LMc	BT	-	02/10/15						



DRN	LMc	02/10/15
CKD		
APP		
SCALE	1:20,000	
JOB		

**DOWNER BLASTING SERVICES
MOUNT THORLEY
MANUFACTURING PLANT
SITE LOCALITY MAP**

Downer EDI Mining Blasting Services Pty Ltd ABN 97 009 687 487 104 Melbourne Street, South Brisbane
DRAWING NUMBER DBS-A-MTH-C-001

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Plan 2 - Potential Downstream Path of Water Contaminants and Surrounding Lot Details

