

POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

MDL Bylong

8346 Bylong Valley Way (Lot 53, 55 & 66 DP755420)

EPL 20950



Pollution Hazards – BYLONG QUARRY

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.

“(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.”

HAZARD	EXAMPLE	HUMAN / HEALTH / OR ENVIRONMENT	LIKELIHOOD	EVENTS THAT INCREASE LIKELIHOOD	PRE-EMPTIVE ACTIONS
Sediment discharge	Discharge to waters of untested/treated stormwater (1000L)	Environment	Low	Not maintaining sediment basins in accordance with EPL; Limited staff resourcing and training for environmental monitoring plan.	The basins are to be drained or pumped out as necessary to maintain the basin’s design capacity within 5 days following rainfall.
Native habitat disturbed	Identified EEC in vicinity to work areas at risk of disturbance	Environment	V Low	Operating outside of approved areas.	Strict disturbance limits set with bunds.
Fire	Any smoke affecting populated area (Bylong village); dark, acrid smoke	Environment	Low	Equipment fault sparks fire;	Maintenance program for equipment; Daily checks; Keep appropriate fire control equipment.
				Uncontrolled detonation of explosives on site.	Follow Blast Management Protocols for safety; Engage trained contractors for control of events.

HAZARD	EXAMPLE	HUMAN / HEALTH / OR ENVIRONMENT	LIKELIHOOD	EVENTS THAT INCREASE LIKELIHOOD	PRE-EMPTIVE ACTIONS
Spill of fuels and chemical	Not contained in a bunded area	Environment	Low	Fuel bund not maintained; Fuel and chemicals not stored in bund Old drums / waste oil not stored in bund	Weekly check of fuel and chemical storage by appointed person.
	Reaches drain or waterway whether or not there is standing or flowing water.			Careless use of fuels and chemicals on site	Training on fuel and chemical use protocol.
Excessive dust	Dust over Bylong Valley Way causing traffic hazard	Human Health	Low	Hot dry windy conditions; Water cart not operating effectively or dust suppression on stockpiles.	Dust Control Measures adopted and implemented (TARP)
				Blasting in windy conditions	No blasts when in high wind and with contractors control on proceeding.
Blast fume	Fume cloud leaves the premises not dispersed	Human Health	Low	Incorrect explosive composition	Explosive supplier/contractor ensures appropriate formulation;
				Moisture in blast holes	Check moisture levels – use contractor management procedures.
Incorrect disposal of waste	Chemical or putrescible waste disposed of on site	Human Health/ Environment	V Low	Failure of regular waste disposal; or unauthorised access and dumping (old tip nearby).	Ensure waste disposal procedures followed; Security fencing /signage provided to site.
Excessive Noise	Excessive noise affecting noise sensitive location (Bylong Station – Wollar Road, Murrumbo – Bylong Valley Way)	Human Health	Low	Plant and equipment not operated correctly. Blast procedures not followed.	Training for operating to reduce noise. Carry out blasts during licenced time periods and appropriate meteorological conditions.

Inventory of Pollutants

POLLUTANT	MAXIMUM QUANTITY	LOCATION
Fuel	50,000L	Self Bunded tank
Grease and Oil	400L	Dedicated Bunded Area
Cleaning Fluids	Nil	<i>Buckaroo MDL facility as required</i>
Flocculants	Nil	<i>Buckaroo MDL facility as required</i>
Pesticides/Herbicides	Nil	<i>Buckaroo MDL facility as required</i>

Safety Equipment

SAFETY EQUIPMENT / DEVICE	FOR (Pollution Type)	LOCATION
MSDS (Material Safety Data Sheets)	Chemical or fuel spills.	Office adjacent/Crib Room Dedicated Bunded Area
Spill Kit	Chemical or fuel spills.	Office/Crib Room adjacent Dedicated Bunded Area
PPE	Any	Personal Equipment issue from MDL Buckaroo Office; Crib Room, Vehicles
Fire Extinguishers	Fires	Office/Crib Room adjacent Dedicated Bunded Area; Vehicles
Water cart for fire fighting	Fires	Fill point (near EPA ID point 4 – Old Quarry)
UHF Radio	Any	Vehicles

Activating the Plan

Who activates the plan? *Every employee or contractor on site has a responsibility to report incidents to their supervisor or if their supervisor is not contactable to report directly to the Director & admin staff via the Buckaroo MDL office.*

The persons identified below have the responsibility to make sure actions in the plan are carried out.

NAME	POSITION	CONTACT PHONE NUMBER
Bruce Marshall	Safety and Environment Role Production Supervisor/Manager	0428 300 890
Robert Murdoch	Director	0438 722 389
Michelle Beach	MDL Admin Office	02 6373 3939

Notifications

The following agencies are to be contacted relevant to the incident.

AGENCIES:

NAME	CONTACT PHONE NUMBER
Environment Protection Authority	131 555
Council	1300 765 002
Fire and Rescue NSW	1300 729 579
Ministry of Health	1300 066 055
SafeWork NSW	13 10 50
NSW Department of Industry – Lands & Water	1300 662 077

The following neighbours are to be notified in relation to relevant incidents (e.g.: dust, noise).

NEIGHBOURS:

NAME	CONTACT PHONE NUMBER
KEPCO (Community relations team)	1800 295 664
“Bylong Station” Wollar Road	
“Murrumbo” Bylong Valley Way	

No sensitive premises are located in close proximity that requires special notification procedures (such as schools and hospitals). Contact details for private stakeholders are maintained on site and not listed due to privacy. An email and telephone network for registered stakeholders to be notified prior to blasting incidents. As a road authority of the haul road, MWRC will be notified of any incidents and other activities. For water and hydrocarbon related pollution incidents the closest water user/landowner downstream of the operations will be notified of the incident (and any known leases of such land).

Staff Training

This PIRMP is to be included in the staff training program and visitor/contractor induction. The following training components detail pollution incidents and responsibilities under this PIRMP.

TRAINING	FREQUENCY
Induction for new workers	As required
Induction for new contractors	As required
Visitor induction	Initial visit (and as required)
Tool box talks	Biannual or more frequently if changes are made to PIRMP

Toolbox meetings forum will be used to introduce the PIRMP to employees. A copy of the plan will be made available to employees at the MDL office and to be kept at the crib room on display.

Testing and Updates

A 'test' of the PIRMP using a scenario that addresses one of the identified key pollution incidents will be undertaken on an annual basis.

EXAMPLES OF SCENARIOS FOR TESTING	Aspect/Involvement
Confirm that the person responsible details and staff positions are up to date.	Administration Staff (update details of plan)
Confirm that relevant authority's phone numbers are correct.	Administration Staff (update details of plan)
Has training been effective?	Simulate advice that a pollution incident has occurred to quarry employee (operator). E.g.: Fuel spill entering watercourse.
Check equipment preparedness.	Water cart to be checked for condition of connection for fire hose etc.

Review

The PIRMP will be reviewed:

- Annually by MDL management;
- Within 3 months of any changes to licence conditions relating to pollution incidents;
- Following any pollution incidents at MDL;
- Following inspection and recommendations;
- If there is a relevant change in site activities or legislation regarding pollution control.