



# Incident Notification

(Mines Inspectorate)

<b>Mine Name</b>	Poitrel Mine
<b>Operator Name</b>	BHP Mitsui Coal Pty Ltd
<b>Mine Type</b>	Coal Mine - Surface
<b>Mine Region</b>	Central Region
<b>Mine Office</b>	Mackay District Office
<b>Mine File No</b>	34337

## NOTIFICATION DETAILS

<b>Notifier's Name</b>	Wayne Lord
<b>Notifier's Position/Title</b>	WHSQ Inspector
<b>Notifier's Contact Number</b>	sch 4 - mobile phone
<b>Notification Received on</b>	01/07/2013 at 09:45 AM
<b>Notification Received By</b>	Trudy Tilbury
<b>Entered By</b>	Trudy Tilbury on 01/07/2013

## INCIDENT DETAILS

<b>Incident Date &amp; Time</b>	30/06/2013 04:30 PM
<b>Location</b> (Section/area)	Industrial site near on Daunia Construction Mine
<b>Equipment Involved</b>	N/A
<b>Concise Description</b>	Notified of a potential blast fume event via WHSQ, who were notified by QAS that they treated 2 mine workers and took them to Moranbah Hospital
<b>Other details</b>	Affected mine workers were operating equipment at the Daunia Construction site. Phone call from SSE at Daunia mine to state that SSE from Daunia Construction Mine would contact us. I contacted Poitrel SSE Edan Stolberg @ 9:53 am, and it appears that the wind direction changed when the blast went off from a N/W to N/E direction. It was then possible that some dust travelled through to the industrial area on the Daunia Construction Mine site
<b>Incident Classification</b>	Other
<b>Other Inspectorates to be notified</b>	Explosives

## INJURIES

**Injuries - Person(s) Involved** 0

## FATALITIES

**Fatalities - Person(s) Involved** 0

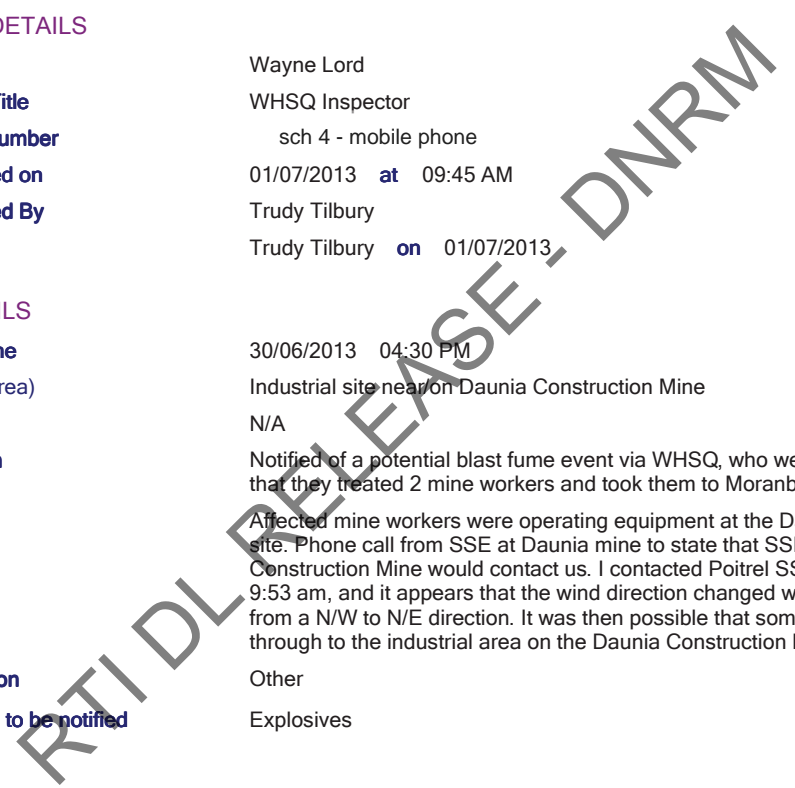
## RESPONSE

### Actions Taken By Mine / Operator

Poitrel SSE contacted Inspector Cres Bulger to determine if he was required to notify of the event. The mine site has commenced the investigation.

### Instructions or advice given to Mine / Operation

Send through notification. The explosive inspectorate will be contacting him to assist with



ensuring that the appropriate information is collected.

**INCIDENT CATEGORY**

**Event Type**

High Potential Incident

**Incident Category**

The exposure of a person to a hazardous substance if it endangers the safety or health of a person

- Oral Report confirmed by notice within 48 hours 03/07/2013
- Notify an Inspector as soon as possible 01/07/2013
- 01/07/2013

**INCIDENT FOLLOW-UP**

**Officer allocated to investigate and/or follow-up reports**

Trudy Tilbury

**Oral confirmatory report received**

**Written report received**

**External DB Accident ID (LTAD)**

**DETAILS OF PERSONS ADVISED**

**EMAILED**

<u>Emailed To</u>	<u>Comment</u>	<u>Emailed Date</u>	<u>Emailed Time</u>
Shane.Cooper Haydn.Isaac darryl.casey Creswick.Bulger		01/07/2013	11:00 AM
stewart.bell Andrew.Clough Haydn.Isaac Noel.Erichsen darryl.casey John.Sleigh wolfgang.djukic Creswick.Bulger john.smith bruce.mckinnon		01/07/2013	10:13 AM

**ORALLY (if any)**

<u>Notified</u>	<u>Comment</u>	<u>Date</u>	<u>Time</u>
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RTI DL RELEASE - DNRM



# Incident Notification

(Mines Inspectorate)

**Mine Name** Daunia Construction Mine Project  
**Operator Name** Bechtel Australia Pty Ltd  
**Mine Type** Coal Mine - Surface  
**Mine Region** Central Region  
**Mine Office** Mackay District Office  
**Mine File No** 1

## NOTIFICATION DETAILS

**Notifier's Name** Dan Haven  
**Notifier's Position/Title** SSE  
**Notifier's Contact Number** 07 3182 2809  
**Notification Received on** 01/07/2013 **at** 11:00 AM  
**Notification Received By** Darryl Casey  
**Entered By** Trudy Tilbury **on** 01/07/2013

## INCIDENT DETAILS

**Incident Date & Time** 30/06/2013 04:30 PM  
**Location (Section/area)** Earth-Moving-Equipment Build Pad  
**Equipment Involved** N/A  
**Concise Description** Two Hastings Deering workers felt unwell after working near a possible blast fume cloud from Poitrel Mine, were treated by QAS and taken to Moranbah Hospital as a precaution  
**Other details** See Poitrel notification.

**Incident Classification** Other  
**Other Inspectorates to be notified** Explosives

## INJURIES

**Injuries - Person(s) Involved** 2

**Name** s78(B) - Personal Information  
**Injuries**  
**Current Status** No longer onsite  
**Employment Status** Contractor  
**Contractor Company** Hastings Deering

**Name** s78(B) - Personal Information  
**Injuries**  
**Current Status** No longer onsite  
**Employment Status** Contractor  
**Contractor Company** Hastings Deering

## FATALITIES

**Fatalities - Person(s) Involved** 0

## RESPONSE

### Actions Taken By Mine / Operator

Took statements from witnesses and

affected mine workers, attempting to work with Poitrel to get information on blast design/planning, and are awaiting further information from Moranbah Hospital and medical centre

**Instructions or advice given to Mine / Operation**

Provide details of affected mine workers and if there was actual exposure

**INCIDENT CATEGORY**

**Event Type**

High Potential Incident

**Incident Category**

The exposure of a person to a hazardous substance if it endangers the safety or health of a person

- Oral Report confirmed by notice within 48 hours 03/07/2013
- Notify an Inspector as soon as possible 01/07/2013
- 01/07/2013

**INCIDENT FOLLOW-UP**

**Officer allocated to investigate and/or follow-up reports**

Trudy Tilbury

**Oral confirmatory report received**

**Written report received**

**External DB Accident ID (LTAD)**

**DETAILS OF PERSONS ADVISED**

**EMAILED**

**Emailed To**

**Comment**

**Emailed Date**

**Emailed Time**

darryl.casey  
John.Sleigh  
wolfgang.djukic  
Creswick.Bulger  
Shane.Cooper

01/07/2013

03:27 PM

**ORALLY (if any)**

**Notified**

**Comment**

**Date**

**Time**

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Task Information

Confidential

Call Out No  
 Supplementary Report Required ? No

Type of Task / Activity

**Incident**

Description of Task

Possible fume exposure of 2 mine workers at the Daunia mine site.

Form 1A Description  
 (From Incident Form 1A Tab)  
 (Read only)

A phone call from the SSE at the Poitrel mine has been made informing me of a possible fume exposure to 2 mine workers at the daunia mine site situated next door.

Action Officer (s)

Belleville, Ray

Send ccMail To Cooper, Shane  
 Donovan, Christopher  
 Honeyman, Kaley  
 Isaac, Haydn

Planned Activity

Unplanned Activity

Region Central

Current Status

Completed

Priority 3

Date Commenced

01/07/2013

Date Due 11/07/2013

Final Completion Date

22/07/2013

Follow-up Date 08/07/2013

Related to Government Reserve ?

No

Industry Sector

Above ground Mining

Keywords Fume Event

Explosives Licence Database Links

Directions

Comments / Contacts

Assigning Officer's  
 Comments (if required)

Have requested preliminary report from and any relivant doumentation

General Comments

Recommendations

Review Task

Recommendations

Supplementary Reports

Log / Resources / Time

Log Entry

**Time Entry**  
(Internal 2.5 / External 0) Total 2.5

**Christopher Donovan**

Allocation Follow up  
**Inside Hours Outside Hours Total Hrs**  
01/07/2013 1.0 .... N/A .... 0.0 1

**Ray Belleville**

Allocation Prepare Report  
**Inside Hours Outside Hours Total Hrs**  
01/07/2013 1.5 .... N/A .... 0.0 1.5

**Resource Entry**

**Mine Information Details**

**Mine Name** Poitrel Mine  
**Mine Status** Operating  
**Mine Type** Coal Mine - Surface  
**Mine ID** MI01705

**SSE Contact Details**

**SSE Name** Edan Stolberg  
BOE - SSE /09/104 **SSE Phone** 07 4841 0671  
**SSE Mobile** sch 4 - mobile phone **SSE Fax**  
**SSE Email** edan.j.stolberg@bhpbilliton.com  
**Address** **Town**  
**State** **Post Code** 4744

**Directions to Mine**  
**Location At Mine Site**

**Explosive Details**

**Explosives Recovered** **Units** **Quantity**  
Blasting Explosives (B) each 1  
**Description**  
overburden shot  
[ / Explosives Involved]

**Attachments Details**

**Correspondance Outwards (Letters, Fax, Email)**



Fume Report and QNG 20.msg

**DME Forms**



HPI Notice of Confirmation - Poitrel Mine Potential Fume Exposure following blast.msg

**Associated Task Details**

 **Follow on Tasks**

*There are no Follow On Tasks available*

 **Previous Tasks**

*There are no Previous Tasks available*

 **Linked Tasks**

*There are no Linked Tasks available*

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**PLEASE DO NOT REFORMAT THIS FORM**

**VERSION 8**  
**December 2010**

**NOTICE OF CONFIRMATION TO THE MINES INSPECTORATE  
AND INDUSTRY SAFETY & HEALTH REPRESENTATIVE  
OF A  
HIGH POTENTIAL INCIDENT OR SERIOUS ACCIDENT**

**MINE:** Daunia Construction Mine – Ref: 2209 **DATE:** 01.07.2013

*This notice\* is made by or on behalf of the Site Senior Executive primarily\*\* pursuant to section 198(4) or (5) of the Coal Mining Safety & Health Act 1999 to confirm the initial oral report to an inspector and an Industry Safety & Health Representative*

**NOTE:** \* Notice required within 48 hours or 24 hours in the case of a fatality: \*\* Also serves to report "Non-Reportable Incidents"

**SECTION 1: INITIAL ORAL REPORT**

<b>Made by:</b> Dan Haven	<b>Company Position:</b> Site Manager & SSE	<b>Phone:</b> 07 3182 2809
<b>Made to:</b> Daryl Casey	<b>Time:</b> 11:00	<b>Date:</b> 01.07.2013
<b>Made to:</b> Trudy Tillbury	14:45	

**SECTION 2: SERIOUS ACCIDENT**

<b>Is this Incident a SERIOUS ACCIDENT?</b>	<b>No</b>	<b>Delete as appropriate</b>
<b>NOTE 1:</b>	<i>Act s.16: A SERIOUS ACCIDENT is one that causes (a) death or (b) a person to be admitted to hospital as an in-patient for treatment of the injury. Also by definition it is a HIGH POTENTIAL INCIDENT</i>	
<b>NOTE 2:</b>	<i>While not included in the definition of SERIOUS ACCIDENT, Act s.198(2)(iii) requires immediate notification of an accident "that causes a person to suffer an injury, causing or likely to cause, a permanent injury to the persons health". This is also a HPI. (SERIOUS INJURY is not defined)</i>	

**SECTION 3: PRESCRIBED HPI - TYPE BEING REPORTED**

	SCHEDULE 1		SCHEDULE 2	
	Type No's 1 - 9	Type No.10 (a) – (p)	Part 1	Part 2
<b>Type no:</b>		10 (k)		
<b>NOTE 1:</b>	<i>Types 1-9 are HPI's without qualification</i>	<i>Types 10(a) to (p) are HPI's only if they "endanger the safety or health of a person"</i>	<i>Person not to interfere with site without inspectors permission</i>	<i>Investigation report to be provided to an inspector within 1 month</i>
<b>NOTE 2:</b>	<i>Some HPI types in Schedule 1 also qualify as types in Schedule 2, Part 1 and/or Part 2. See details on reverse of this form</i>			

**SECTION 4: NON-PRESCRIBED/APPEARANT HPI OR NON-REPORTABLE INCIDENT – NRI**

	<b>TYPE B (NRI):</b>	<i>Delete which does not apply</i>
	<i>Type B: Where the incident is significant and has a safety "message" to share with industry</i>	<i>Indicate 'A' or 'B' above and complete "DETAILS OF EVENT" section below</i>

**SECTION 5: DETAILS OF THE EVENT**

**NOTE:** Information provided in this section includes the "Primary Information" required by s.198(3) of the Act

**CONCISE DESCRIPTION OF THE NATURE OF THE EVENT**  
*(put all other info in the "Other info/details" field below)*

At approximately 16:00 on June 30<sup>th</sup>, the adjacent mine to Daunia, Poitrel, fired an overburden blast in their Ramp 10S. The resultant cloud was blown outside the 1500m personnel exclusion zone established by Poitrel, exposing personnel working on the Earth-Moving-Equipment Build Pad of Daunia Construction Mine to potential blast fume. Investigation into content of blast cloud and exposure to blast cloud are ongoing.

**DATE:** 30.06.13 **TIME:** 16:00 **LOCATION:** EME Build Pad

**EQUIPMENT INVOLVED:** Nil

**ENVIRONMENTAL CONDITIONS:** Light:  X Dark:  Sunny:  X Wet:  Dry:  X Windy:  X

**NUMBER OF PERSONS INVOLVED:** 2 **DAMAGE:** Nil – Potential exposure to hazardous substance

**NAME(S) OF DECEASED:** NA

NAMES OF PERSONS INJURED	INJURIES	EMPLOYER (contractor where applicable)
Chris Broucek	Nil – Potential exposure	Hastings Deering
William Weber	Nil – Potential exposure	Hastings Deering

**NAMES OF ANYONE WHO SAW THE INCIDENT OR WERE PRESENT AT THE TIME:** s78(B) - Personal Information

**IF NO WITNESSES, NAME OF PERSON FINDING THE INCIDENT:** N/A

**OTHER INFORMATION/DETAIL:**

Investigation ongoing to determine exposure incurred if any.



**IMPORTANT NOTE:**

This is NOT an “Official Form”. There is no statutory obligation to use it.

**The objective of the form is to provide a reporting tool that is of mutual benefit by:-**

1. Raising awareness of the requirement to provide written confirmation of reported incidents and to facilitate that confirmation process
2. Obtaining consistent information as required for input into the Inspectorate Database.
3. Guiding industry to correctly identify the HPI “Type” that is reported and thereby to understand the statutory obligations that apply
4. Providing for the reporting of all Incidents with a “Safety Message” - provides for reporting “Non-Reportable Incidents” (NRI’s)
5. Providing a “ready reference” to assist with the understanding of Schedules 1 & 2.

**Coal Mining Safety & Health Act 1999, s.17:** - A “high potential incident” at a coal mine is an event, or a series of events, that causes or has the potential to cause a significant adverse effect on the safety or health of a person.

**Coal Mining Safety & Health Regulation 2000:**

SCHEDULE 1: Types Of High Potential Incidents For Section 198 Of The Act		SCHEDULE 2 **	
		Part 1	Part 2
1	An unplanned ignition of gas, dust, or a combination of gas and dust.	√	√
2	The spontaneous combustion of coal or other material in an underground mine.		√
3	The entrapment of a person.		√
4	An electric shock to a person.		√
5	An event causing the withdrawal of a person from the mine or part of the mine.		
6	An abnormal circumstances declaration.		√
7	An event that causes only 1 escapeway from the mine to be available for use.		
8	A fire on a vehicle or plant		
9	An incident involving an explosive		
10	A FOLLOWING INCIDENT <b>THAT ENDANGERS THE SAFETY OR HEALTH OF A PERSON</b> —		
(a)	a fire;		
(b)	a ventilation failure causing a dangerous accumulation of methane or other gas;		√
(c)	an inrush;		√
(d)	a coal or rock outburst;		
(e)	damage to, or failure of, haulage equipment used to transport a person in a shaft or slope;	√	
(f)	an unplanned movement of, or failure to stop, a vehicle or plant;		
(g)	the failure in service of explosion protection of explosion protected equipment;	√	√
(h)	a failure of electrical equipment or an electrical installation;		
(i)	an unplanned ignition or explosion of a blasting agent or explosive;	√	√
(j)	a failure of strata control;		√
(k)	the exposure of a person to a hazardous substance;		
(l)	an unforeseen hazard requiring a review of the mine’s safety and health management system;		
(m)	the unplanned immersion of a person in liquid;		
(n)	an unplanned movement of earth or coal;		
(o)	a structural failure of equipment;		√
(p)	a collision involving a vehicle or plant.		

**NOTE:** \*\* The ticks indicate those types in Schedule 1 that are also a type in part 1 or part 2 of Schedule 2 and subject to the requirements of that schedule.

SCHEDULE 2			
PART 1 - Types for section 200(1) <i>Must not interfere with site without inspectorate permission</i>		PART 2 - Types for section 201(1) <i>Investigation Report to an inspector within 1 month.</i>	
1	An incident causing the death of, or a serious bodily injury to, a person	1	An unplanned ignition of gas, dust, or a combination of gas and dust
2	An unplanned ignition of gas, dust, or a combination of gas and dust.	2	The spontaneous combustion of coal or other material in an underground mine.
3	Damage to, or failure of, haulage equipment used to transport a person in a shaft or slope, if the damage or failure causes a hazard.	3	An inrush.
4	The failure in service of explosion protection of explosion protected equipment.	4	The failure in service of explosion protection of explosion protected equipment
5	A failure of electrical equipment or an electrical installation causing an electric shock to a person.	5	An electric shock to a person.
6	An unplanned ignition or explosion of a blasting agent or explosive.	6	An unplanned ignition or explosion of a blasting agent or explosive.
7	A major structural failure of equipment, if the failure causes a hazard.	7	A major failure of strata control.
		8	The entrapment of a person.
		9	An abnormal circumstances declaration.
		10	A major structural failure of equipment.

**SEE NEXT PAGE FOR FURTHER GUIDANCE ON COMPLETING THE CONFIRMATION FORM**

## FURTHER GUIDENCE ON COMPLETING THE CONFIRMATION FORM

### Section 5 "Concise Description of the Nature of the Event":

In this field:-

- Insert only a **concise** statement containing only the pertinent facts about the **nature** of the event
  - Info regarding the cause of the incident should become available from your investigation. If the investigation has been concluded then, if appropriate, cause info can be included here or otherwise included in the "Other Info/Details" field.
- Do not include:-
  - Info that will identify individuals or companies (eg. names). If a contractor is involved refer simply to "a contractor" in this field.
    - This is because this field is used to populate the HPI reports on the web site that is updated every two weeks and needs to be "sanitised".
    - Names of individuals and/or companies will be entered in other fields in this section.
  - Date and time as they are captured in other fields - unless they are particularly relevant (eg. after dark might be a relevant factor)
- Do include the actual make & model of any plant involved (not simply truck or excavator)
  - Other mines will better relate to an incident when they have the same item(s) of plant
  - It may assist in identifying patterns or common/recurring problems with particular items of plant
- The incident location may or may not be relevant here but it must be entered in the "Location" field.
- All additional info (including cause related info that might be available) should be put into the "Other Info/Detail" field

### Section 5, "Location" field:

Be specific. For example "Ramp 4" may be appropriate if the incident actually happened on Ramp 4 otherwise it is too general and can be misleading by giving the impression that the incident happened on a ramp. Also for example, "Pit B" is too general.

### Section 5 "Equipment Involved" field:

Provide the actual make & model of any plant involved (not simply truck or excavator)

### Section 5, "Other Info/Detail" field:

Photo's can be inserted into here but please reduce the memory size to assist us.

### General:

- This part of the HPI reporting process/procedure should be documented in the Safety Management System to ensure it is sustainable.
- The SSE has the obligation to report HPI's and if that obligation is delegated then the delegate should be formerly appointed and be appropriately trained.
- Where the HPI reporting function is delegated it is strongly recommended that the SSE be copied in.
- The information pages 2 & 3 need not be returned to the Inspectorate

**NOTE 1: An HPI must be reported directly to an inspector. A message left on a phone does not satisfy the legislation. Ring around until you speak with an inspector.**

**NOTE 2: The confirmation form must be emailed to the Inspector who received the verbal notification**

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## ROGAN Stephanie

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**From:** BELLEVILLE Ray  
**Sent:** Monday, 1 July 2013 12:17 PM  
**To:** 'edan.j.stolberg@bhpbilliton.com'  
**Cc:** 'Donovan Christopher'; 'Casey Darryl'; COOPER Shane  
**Subject:** Fume Report and QNG 20  
**Attachments:** Report of Fume Checklist external.doc; 20130529083021813.pdf; QGN-mgmt-oxides-nitrogen.pdf

Hi Edan

I have attached the report form that needs to be completed.  
Could you supply any photographic or video material as well.  
Could you also keep me up to date with the preliminary report and the final investigation please.

Regards

**Ray Belleville** | Senior Inspector of Explosives | Central Region Explosives Inspectorate | Mine Safety and Health  
| Department of Natural Resources and Mines

Po Box 548 Rockhampton 4700  
QIDC House, Level 5, 34 East Street, Rockhampton 4700

**Mobile:** sch 4 - mobile phone

**Telephone:** 07 4938 4444

**Fax:** 07 4938 4331

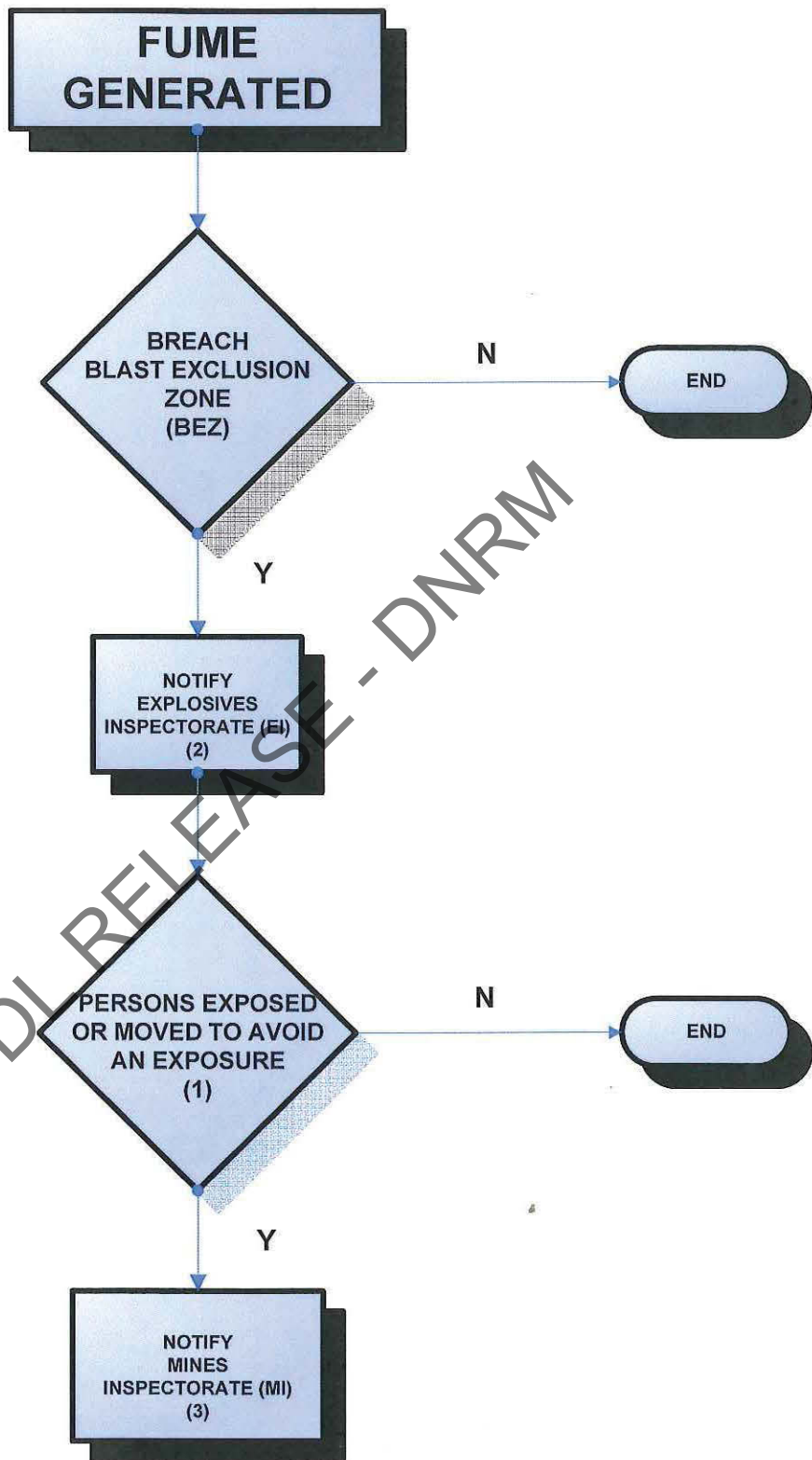
**Email:** [ray.belleville@dnrm.qld.gov.au](mailto:ray.belleville@dnrm.qld.gov.au)

**24 Hour response/reporting:** **1300 739 868**

**Web** [Explosives in industry](#) [Explosives in the community](#)

RTI DL RELEASE - DNRM

## FUME INCIDENT REPORTING



- (1) Persons moved as part of the planned evacuation for establishing the Fume Management Zone are NOT to be reported.  
(2) Explosives Inspectorate response number 1300 739 868  
(3) Mines Inspectorate website <http://mines.industry.qld.gov.au/safety-and-health/contacts-mines-inspectorate.htm>

**Figure 5.1** illustrates the reporting requirements for the Explosives Inspectorate and the Mines Inspectorate.

Checklist	Report of Fume
<b>DETAILS</b>	
Requirement	Findings
Time	
Date	
Place	
Pit	
Blast Type	
Explosive Supplier	
Product Loaded	
Level of fume at generation	
Level of fume at critical times outside the blast exclusion zone	
Atmosphere stability at time of firing	
What was blast exclusion zone for the shot	
What was the fume management zone for the shot	
What was the fume category at the time of most concentration	
Did the level category apply to this point or when it left the exclusion zone	
How extensive was the fume generation in percentage over the entire shot. eg 10%	
Impact on mine site	
Impact on other locations such as roads, rail, town, admin, workshops	
Did a particular area fume	
Was it wet	
Was it loaded by the same MMU	
How far did a visible cloud travel	
What monitoring was in place	

What were the readings in relation to the blast. eg x ppm at xxxm	
What issues stood out in the prefiring review	
Was a fume event expected	
Is an investigation being conducted in line with the template within QGN 20	

RTI DL RELEASE - DNRM



Mine Name	File No.	Operator	Activity Type	Region	Activity Date
Poitrel Mine	34337	BHP Mitsui Coal Pty Ltd	Investigation	Central	02/07/2013

*Vision: Our Industries Free of Safety and Health Incidents*

## Mine Record Entry

**This report forms part of the Mine Record under s68 of the Coal Mining Safety and Health Act 1999. It must be placed in the Mine Record and displayed on Safety Notice Boards.**

**Note that inspection or audit activities conducted by the Mines Inspectorate are based upon sample techniques. It remains the primary responsibility of Mine Personnel to identify hazards, and risks associated with Operations and ensure those risks are at an acceptable level.**

On this day I attended Poitrel Mine with District Inspector Darryl Casey and Inspector of Explosives Shane Cooper. The purpose of this visit was to discuss matters and conduct inquiries in relation to a High Potential Incident that occurred on Sunday 30 June 2013.

On arrival to site we were met by Site Senior Executive, Edan Stolberg and escorted to the conference room where we were joined by Mining Manager Rod Ballinger, Drill and Blast Engineer Charlie Conway, Orica Team Leader Clint Jones and Orica Site Manager Tristan Fort.

During this meeting information was provided to the Inspectors in relation to the

- Blast design parameters
- Blast control plan including - fume prediction map and site layout.
- Post blast fume checklist
- Environmental conditions present on the day
- Gas monitoring locations
- Video recording of the blast

Supporting video evidence and still shots indicate that on 30 June 2013 at approximately 1600 hours a shot of significant size (*approximately 1.4 million kg of explosive product used to lift 2.1 million bcm of overburden resulting in an actual powder factor 0.66 kg/bcm*) was fired in Ramp 10 South. Prevailing winds blowing were blowing in a south easterly direction at approximately 40 km/hour. The resultant blast cloud occupied a large volume of air space but visually appeared to be of no greater intensity than a Level 1. The video footage shows this blast cloud staying low to ground and travelling down and out through Ramp 000 in a direction at approximately 90 degrees to the prevailing breeze. It is possible that an inversion layer prevented the mixing and dispersion of the blast cloud. It appears that the blast cloud has then been influenced by the localised wind patterns and currents within the pit. The blast plan had established a personnel exclusion zone of 1500m. When the fume cloud was observed to be moving in a direction toward the workshops and gatehouse notification was sent through to retreat personnel in these locations to a position of safety. This occurred and no exposures were experienced as the blast cloud passed through this area.

Hasting Deerings personnel working for the Daunia Construction Mine on the earth - moving - equipment build pad located approximately 100 meters NNE of the Poitrel gate house were not notified of the change in blast cloud direction. Two (2) of the Eight (8) Hastings Deering personnel in this area were unable to get out of the blast cloud. Both of these coal mine workers described symptoms consistent with exposure to nitrogen dioxide. Following this these workers were provided with medical assistance at the Daunia Mine and taken to Moranbah Base Hospital for

observation as recommended in Guidance Note 20 "Management of Oxides of Nitrogen in Open Cut Blasting".

The ICAM investigation is to be completed by Poitrel Mine and a copy of this is to be provided to the District Inspector of Mines, Darryl Casey.

The SSE has advised that he is establishing a communication network to include the drill and blast teams of the surrounding local mines, namely:

- Millennium Mine
- Daunia Mine
- Red Mountain JV. CHPP
- Carborough Downs Underground Mine.
- 

The SSE has advised that Poitrel Mine site will be installing a weather monitoring station capable of providing accurate measurement of real time wind speed, wind direction and other meteorological data that will assist in prediction of fume behaviour.

In conjunction with these initiatives and any recommendations that come from the ICAM process the following requirements have been directed to the SSE for his attention.

- I. The requirement for a second camera to record the blast fume cloud as it travels. This camera is usually mobile and should be used to gather information to assist in predicting the behaviour of blast clouds.
- II. Review the size requirements of future shots. This shot was a lot bigger than that typically fired at the Poitrel Mine site. Without pre-empting the outcome of the ICAM investigation it is likely that the size of the shot would have contributed to the extent of the blast cloud produced and the distance travelled.
- III. The requirement for additional gas monitoring devices. Only one fixed monitor was in position for the blast that occurred on 30 June 2013. Due to the unpredictable nature of blast fume in certain environmental conditions it is important to have more monitoring points particularly in sensitive areas so that if a change is experienced these monitors can capture vital information that will assist in:
  - the gathering of data that can assist in predicting fume cloud behaviours
  - the investigation process
  - in the event of exposures, information that will assist treating medical staff to understand the extent of exposure.

It is important that all personnel who are required to use these monitors have suitable training in the use, interpretation of readings and calibration. These monitors should be "bump" tested prior to every use and are required to be sent away for NATA calibration at no more than six monthly intervals.

Following this meeting representatives from Daunia Mine and Daunia Construction Mine attended Poitrel Mine at the request of the Inspectors. In attendance were Brendan Lynn - SSE Daunia Mine, Dan Haven - SSE Daunia Construction Project and Matt Dowl - SSE Compliance Manager Daunia Construction Mine. During this meeting SSE Lynn provided information relating to the medical treatment of the exposed coal mine workers. Statements provided by the treating paramedics were presented to the Inspectors. Inspector Djukic requested that a copy of these statements be provided.

SSE Haven then gave an overview of the condition of the exposed workers. Inspector Djukic asked SSE Haven to follow up on the exposed workers and provide an update on their condition and recovery progress.



**Fritz Djukic**  
**Inspector of Mines; Senior**  
**Principal Occupational**  
**Hygienist**  
**Central; Central Region**

**Darryl Casey**  
**Inspector of Mines (Mining)**  
**Central Region**

RTI DL RELEASE - DNRM

**From:** Hall, Samantha [Samantha.Hall@bhpbilliton.com]  
**Sent:** Tuesday, 2 July 2013 8:52 AM  
**To:** Lynn, Brendan BK; Haven, Daniel J  
**CC:** Luus, Derick; Lee Polychronopoulos  
**Subject:** RE: Treatment Detail

Hi Dan,

As requested, please find below a brief overview of the first aid management of the workers involved in Sunday's blast cloud incident.

s78(B) - Personal Information

If you require additional information regarding each workers presentation, or of their prescribed treatments, then you will need to contact MSS to formally request this information.

This can be actioned by contacting Lee Polychronopoulos at [lee.polychronopoulos@msssecurity.com.au](mailto:lee.polychronopoulos@msssecurity.com.au)

Kind Regards

Sam

**Samantha Hall**

Senior Health Advisor - Daunia

**BHP Billiton Mitsubishi Alliance**

Daunia Mine, Millenium Access Rd via Peak Downs Highway, Moranbah, Queensland, 4744 Australia

Mail: BMA Coal – Daunia Mine, Locked Bag 1028, Moranbah Qld 4744

Telephone: +617 4841 1717 Mobile: sch 4 - mobile phone

Email: [samantha.hall@bhpbilliton.com](mailto:samantha.hall@bhpbilliton.com)



RTI DL RELEASE - DNRPM

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**From:** Lynn, Brendan BK  
**Sent:** Tuesday, 2 July 2013 8:39 AM  
**To:** Haven, Daniel J  
**Cc:** Luus, Derick; Hall, Samantha  
**Subject:** Treatment Detail

Dan

Sam will provide a summary of treatments provided with respect to the fume treatment. She will also include details of how to request fuller details formally from MSS.

I have sent you:

our treatment protocol  
paramedic statement

thanks

**Brendan Lynn** | General Manager Operations

RTI DL RELEASE - DNRM

**From:** Lynn, Brendan BK [Brendan.K.Lynn@bhpbilliton.com]

**Sent:** Wednesday, 3 July 2013 9:49 AM

**To:** DJUKIC Fritz

**CC:** CASEY Darryl; COOPER Shane; Ireland, Rosie

**Subject:** Poitrel Mine Fume Event - Statements from Daunia Mine

**Attachments:** img-702095333-0001.pdf; Witness Statement (s78(B) - Personal Information) Signed 20130701.pdf; img-702113654-0001.pdf; RE: Treatment Detail; viewer.pdf; img-430155016-0001.pdf

Fritz

Following our meeting at Poitrel yesterday please find attached statements from those persons involved in the treatment part of this event.

**Statements of supervisor referred to in the IP statements**  
s78(B) - Personal Information  
**Statement of paramedic**

**Treatment Summary from Snr Health Advisor**  
s78(B) - Personal Information

**Our Daunia Treatment Protocol**

**MOU between Daunia Mine and Daunia Construction Mine**

Additional to this I have a record of interview with the paramedic specifically following up on matters in more detail.  
I will provide this on request.

**Brendan Lynn** | General Manager Operations

This message and any attached files may contain information that is confidential and/or subject of legal privilege intended only for use by the intended recipient. If you are not the intended recipient or the person responsible for delivering the message to the intended recipient, be advised that you have received this message in error and that any dissemination, copying or use of this message or attachment is strictly forbidden, as is the disclosure of the information therein. If you have received this message in error please notify the sender immediately and delete the message.

## Memorandum of Understanding

**Date** 15 March 2013  
**Between** BMC Poitrel Mine, BMA Daunia Operations and RMJV.  
**CC** Warwick McEvoy, Brendan Lynn, Michelle Elvy.  
**From** David Scott, SSE BMC Poitrel Mine.

---

### Purpose

This Memorandum of Understanding (MOU) is an agreement that will set out the roles and responsibilities for the provision of assistance between BMC Poitrel Mine, BMA Daunia Operations and RMJV for Emergency Response.

### Nature of Service

It is agreed by the parties that in the event of an emergency situation requiring assistance from any of the parties, additional rescue resources located on site will be made available.

### Initiation of the Service

Either mine site or the RMJV may initiate an emergency response request. The contact will be made initially by either phoning Poitrel on sch 4 - mobile phone or Daunia Security on sch 4 - mobile phone or via the dedicated Poitrel or Daunia Mine radio channel.

The initiation of an emergency response request shall be in compliance with the Emergency Procedure by calling, "Emergency, Emergency, Emergency", stating the nature of the emergency, location of emergency etc.

### Provision of Service

The following services will be provided:

- Emergency Response Team.
- Fire / Rescue Response Truck and all available support vehicles.

In the event of an emergency call out, Emergency Response Teams will meet at the designated meeting point for each area.

### Incident Management and Emergency Management Processes

All sites shall follow the process outlined in their Incident Management Plan.

Emergency Response personnel shall provide information necessary for debriefing Incident Management Team (IMT) for the site where the incident has occurred.

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**Costs**

Any consumables, goods or equipment will be detailed and provided as a Bill of Materials and all costs to provide these services will be covered. Typically the consumables would be (but is not limited to):

- Fire retardant.
- Fuel.
- Spill response consumables.

**Operational Protocols**

In the event that relevant parties cannot provide emergency response services due to:

- A lack of personnel.
- Defective or inadequate equipment,
- Or in the event that they are attending another emergency.

Immediate notification shall be given to all parties to ensure that each area can effectively manage the emergency response capabilities within their areas.

Once emergency response services are restored immediate notification shall be given to all parties.

**Intended Period of Support**

This MOU shall stay in place until all parties decide to discontinue the agreement. Discontinuing the agreement has to be via formal notification. The arrangement will be reviewed regularly by all parties.

**Reporting of Effectiveness of the MOU**

Representatives of each party shall meet to discuss the effectiveness of the MOU and implement any corrective actions required to ensure effectiveness of the agreement.

Any non-conformances with this MOU shall be raised to relevant representatives and discussed as required.

**Memorandum of Understanding Sign Off:**

Name:	Title:	Signature:	Date:
David Scott	SSE BMC Poitrel Mine	sch 4 - signature	28-2-13
Brendan Lynn	SSE BMA Daunia Mine		16/4/13.
Michelle Elvy	SSE RMJV		17-4-13.

## ROGAN Stephanie

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Kind Regards  
Sam

**Samantha Hall**  
Senior Health Advisor - Daunia

### BHP Billiton Mitsubishi Alliance

Daunia Mine, Millenium Access Rd via Peak Downs Highway, Moranbah, Queensland, 4744 Australia  
Mail: BMA Coal – Daunia Mine, Locked Bag 1028, Moranbah Qld 4744  
Telephone: +617 4841 1717 Mobile: sch 4 - mobile phone  
Email: [samantha.hall@bhpbilliton.com](mailto:samantha.hall@bhpbilliton.com)



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- our treatment protocol
- paramedic statement

thanks

**Brendan Lynn** | General Manager Operations

RTI DL RELEASE - DNRM