

Date : 20/08/2021 9:41:44 AM

From : "MIRAdministration@dnrme.qld.gov.au"

To : "MIRAdministration@dnrme.qld.gov.au" , "MIR-Mackay" , "s 78B(2)(c)"

Subject : Completed Mining incident report No. 147822 (20 - High potential lost time [nmsf: 33])

## Type of incident

Incident report number: 147822

Recipients: s 78B(2)(c) and MIRAdministration@dnrme.qld.gov.au

1 Incident type: 20 - High potential lost time [nmsf: 33]

### 2 Summary/title of incident

Pipe dislodgement resulting in injury

#### Incident Classification:

Code: 119 - Incidents NOC (not otherwise classified) [nmsf: 3819]

#### Breakdown:

Code: Machinery and (mainly) fixed plant [nmsf: 2836]

#### Sub-Breakdown:

Code: Other plant and machinery [nmsf: 2853]

#### Breakdown Class:

Code: Water mains, pipes, valves, hydrants, taps, and other water reticulation equipment [nmsf: 2946]

#### Detailed Classification:

Code: Water mains, pipes, valves, hydrants, taps, and other water reticulation equipment [nmsf: 3354]

Compensation ID: 999999

#### Mechanism:

Code: Being hit by moving objects [nmsf: 2786]

#### Sub-Mechanism:

Code: Being trapped between stationary and moving objects [nmsf: 2805]

3 Previously notified: Yes

Date: 21/07/2021

## Mine details

4 Mine/quarry name Moranbah North

Code: M00750

Old Code:

5 Mine type: coalUnderground

6 Company contact: s 78B(2)(c)

Phone: s 78B(2)(c)

7 Where in the mine did the incident occur? MNM CHPP – SM401 and Warmen Pump PP401

Code: 163 - Preparation/treatment plant/wash plant UG [nmsf: 30]

Surface or underground? surface

## Incident details

8 Date of incident: 21/07/2021

9 Time of incident: 12 55 (24 hr clock)

10 Time shift started: 06 00

Shift duration: 12 00

No. of complete shifts/day worked prior to accident: 1

No. of days in shift cycle: 14

No. of days rostered off prior to starting current shift cycle: 7

Total hrs worked in 24 hr period prior to accident, inc travel time: 12

Travel Time: 00 00

Rostered Travel Time: 00 00

Roster Pattern: adhoc

11 Date of first full working day lost: 22/07/2021

12 Primary equipment/tool involved in incident: Warmen Pump PP401

Code: 545 - Pipe [nmsf: 3952]

**13 Describe exactly how did the incident occur:**

On the 21st July 2021 members of the maintenance team at the CHPP were in the process of removing piping and pump parts associated with PP401 to perform a barrel replacement. At approximately 12:54 a 2.5-metre-long section of piping, which included an isolation valve, dislodged from tank SM401 and impacted a CMW pinning them between pump PP401 and the pipework. The pipe is sealed into tank SM401 with a mechanical Link Seal. The CMW was removed from the location by colleagues and members of the MNM Surface Response Team that were nearby. CMW was attended to prior to the site paramedic arriving and administering pain medication. QAS arrived at the scene at approximately 13:20 to assist and transport the injured CMW. QAS left the scene at approximately 13:49 and transported the CMW by road to Moranbah Base Hospital for scans and an assessment by doctor. The CMW was later transferred by CQ Rescue Helicopter to Mackay Base Hospital for further assessment and treatment.

**14 What hazards have been identified from this incident:**

Crush points

Code: 224 - Other

**Injured person details**

15 Surname: 78B(2)

16 Date of birth: s 78B(2)(c)

17 First name and initial: s 78B(2)(c)

18 Gender: 10 - Male

19 Employee number: s 78B(2)(c)

20 Work activity at time of incident: removing piping and pump parts for barrel replacem

Work Activity - Major Group: Labourers [nmsf: 53]

Work Activity - Occupation: 90 - Labourers nec [nmsf: 1573]

Work Activity - Sub-Major Group: Other labourers [nmsf: 96]

Work Activity - Minor Group: Miscellaneous labourers [nmsf: 193]

Work Activity - Unit Group: Other miscellaneous labourers [nmsf: 551]

21 Type of employee: 10 - Contractor [nmsf: 3847]

Job Type: Employee of contractor [nmsf: 18]

if contractor, company name: G&S Engineering

Address 1: s 78B(2)(c)

Address 2:

Post Code: 78B(2)

Suburb: 78B(2)

State: QLD

Phone: s 78B(2)(c)

Fax:

Mobile:

Email:

Address 1:

Address 2:

Post Code:

Suburb:

State:

Phone:

Fax:

Mobile:

Email:

Street Address

Postal Address

22 Nature of injury/disease s 78B(2)(c) [nmsf: 2459]

Sub-nature: 010 s 78B(2)(c) [nmsf: 2488]

Body location: s 78B(2)(c) [nmsf: 2732]

Body sub location s 78B(2)(c) [nmsf: 2759]

Body Classification: 51 -8B(2)[nmsf: 2699]

23 Description of personal damage:

s 78B(2)(c)

Is this a permanent incapacity? No

Incident causes

24 What happened leading up to the injury/incident/disease?

Organisational

Nil

Codes 122 - No org. factor involved

Task/environment conditions

Job was well planned and sufficient resources available

Codes 321 - Other task/environment factor

Individual/team actions

Isolations were performed as per the isolation guideline for PP401 and verified

Codes 222 - No ind./team factor involved

Absent or failed defences

The original design of the piping arrangement did not include supporting of the pipe or restrain of the pipe from longitudinal / thrust movement as specified by the OEM

Codes 401 - Design defects

Preventative action

25 Give details of any control measures/actions being considered and/or implemented to prevent recurrences

Mandatory Task – Area Superintendent to provide feedback and findings of the investigation to the workforce Engineering and installation to be completed for the suction pipework supports to include restraint of pipework from thrust movement Isolation guidelines for all pumps fed from SM401 via suction pipes to be updated to include emptying of SM401 when piping is removed as an interim control SWG document to be developed and implemented for sump pipework installation Arrange for an independent evaluation of the Link Seal chemical degradation and failure mechanism Ensure the correct Link Seal is added to stock holdings Audit CHPP for link seal installations

Date: 19/08/2021

Your full name: s 78B(2)(c)

Position: s 78B(2)(c)

Email: s 78B(2)(c)

Office use

Grid of empty boxes for office use

Inspector/inspection officer: \_\_\_\_\_

Signed: \_\_\_\_\_

Entered by: \_\_\_\_\_

User IP address: s 78B(2)(c)

User agent: Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0; rv:11.0) like Gecko

Email address: s 78B(2)(c)

Submitted Date/Time: 19/08/2021 23:12:03

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