LC QWN C147 Marmion

Record Book Name	CENTRAL NORSEMAN GOLD CORP		
Operator	CENTRAL NORSEMAN GOLD CORP		
Date	16/01/2014	Type of Inspection	OCCUPATIONAL HEALTH
Inspectorate	KALGOORLIE		
Inspector	MCCAULEY, Greg		

COPY OF RECORD BOOK ENTRY

I have today attended site in relation to concerns that have been raised with the Department regarding:

A) Site personnel initiating explosives without the required licencing; and

B) Capability of the site emergency reponse following recent reduction in employee numbers.

Discussion regarding these issues occurred with Acting Registered Manager Nigel Driscoll and OHS Manager Andy French. In their company, the Bullen Offices and gas testing facilities were inspected, emergency response facilities were also inspected. Site documentation and records were viewed to establish complaince with legislation.

1. It has been confirmed that explosives have been initiated on site in a manner that contravenes relevant legislation. Improvement Notice IC 18111 has been issued relating to this.

2. Emergency response capability has been found to be compliant with MS & I Reg 4.33.

3. Please ensure that gas monitoring equipment which is within current calibration is vailable for use during underground re-entry. 3 Gas testing units sighted were found to be due for calibration on 18-1-14.

Greg McCauley
Inspector of Mines - OSH
16-01-2014

EQUIPMENT STAND-DOWNS AND MINE CLOSURES

	SURFACE		UNDERGROUND	
	For Safety Reasons	Following an Accident	For Safety Reasons	Following an Accident
Number of Items of Equipment Stood Down	0	0	0	0
Number of Occasions a Portion of a Mine was Closed	0	0	0	0
TOTAL	0	0	0	0

Record Book Name CENTRAL NORSEMAN GOLD CORP
Operator CENTRAL NORSEMAN GOLD CORP
Date 17/02/2014 Type of Inspection SAFETY - GENERAL
Inspectorate KALGOORLIE
Inspector MCCAULEY, Greg

COPY OF RECORD BOOK ENTRY

Date: 17 February 2014 at 1200 hours

Re: Incident involving fatality of worker due to collapse of hanging wall at 203 East Drive at "Major" underground mine

Special Inspector of Mines Mike McKay, Jan De Lange and Greg McCauley resumed the investigation into the above incident. This follows our inspection of the scene of the accident on 16 February 2014.

1. Following a meeting at 0830 hours today, we resolved that the following information is to be furnished by the mine as soon as practicable.

    1. Training and induction documentation for the deceased.
    2. Name, address and contact information for the deceased and next of kin, inclusive of:
        a. Any formal certification and/or verification of competency in the activities being conducted at the time of the accident.
        b. Details of education and qualifications
        c. Contract of employment and/or notice of engagement by the mine
        d. Payslips leading up to the date of the incident
        e. Work history prior to joining Norseman Gold, if known to the mine
    3. Roster arrangement and timesheets, including any overtime on the current swing, including any conditions placed on night or weekend operations.
    4. Details of underground management and supervision relating to planned or unplanned weekend activity.
    5. Any work procedures for the tasks being conducted at the time of the accident.
    6. Any permit-to-work documentation issued for the tasks being performed.
    7. Any explanation and/or evidence of tag-on procedures conducted on the day of the accident.
    8. Any work plans for the job in hand.
    9. Any shift plans and pre-start inspections
    10. Any form of job hazard analysis (JHA) or take-5 risk assessments in relation to the work being performed at the time of the incident.
    11. Copy of the incident log.
    12. Details of statutory appointees, including registered manager (RM), s44, etc
    13. Supervisory structure, with names and positions reporting to RM.
    14. Plans of work area and survey as detailed in record-book entries

of 16 February 2014.

15. Ground Control Management Plan for the Major decline
16. All appropriate support standards for the Major decline,
17. The risk assessment conducted prior to mining the Major decline operation
18. All quality control pull tests results and related planning schedules for the installed support elements in the Major Decline since commencing the mining of the Major portal
19. The mine planning policy and procedure
20. Most recent geotechnical inspection of the 203 East drive
21. Results of geotechnical mapping of the 203 East Drive
22. Underground mines currently being operated by Norseman Gold
23. Details of auditing procedure used pursuant to the prohibition notice issued by Inspector Jan De Lange on 16 February 2014
24. Brief description and identification of contractors engaged at Norseman Gold sites
25. Details of written hazard and rock noise reports by employees or management in relation to ground support or underground work procedures at Norseman Gold sites over the last 6 months.
26. Details of site emergency response structure, personnel, availability, and how this is applied to weekend operations. Please include details of those emergency response personnel involved in response to the accident on 15-02-2014
27. Copies of all incident reports relating to activities in the Major decline over the past 12 months
28. The re-entry procedures, policies and standards
29. The drill-hole pattern for the face of a shantyback drive, specifically applied to the 203 East drive

2. We gratefully acknowledge that Andy French supplied a list of persons who might be able to assist with our inquiries over 17 and 18 February and we request that these persons be on standby for interviews on these days. We will provide notice of at least 2 hours where any person is not on site at the mine.

3. We require that the rock bolts that fell with the rock collapse be kept and made available to the inspectors as soon as practicable, and only after the site has been deemed to be safe enough for retrieval.

The investigation is ongoing and we anticipate working further with Central Norseman as information becomes available.

Mike McKay - Special Inspector of Mines - (Mech. Eng.),
Investigation Services, Strategic Policy Div.

Jan De Lange - Special Inspector of Mines -
(Geotechnical Engineer), Resources Safety Div.

Greg McCauley - Special Inspector of Mines -
OSH, Resources Safety Div.

Department of Mines and Petroleum, Government of Western Australia

EQUIPMENT STAND-DOWNS AND MINE CLOSURES

	SURFACE		UNDERGROUND	
	For Safety Reasons	Following an Accident	For Safety Reasons	Following an Accident
Number of Items of Equipment Stood Down	0	0	0	0
Number of Occasions a Portion of a Mine was Closed	0	0	0	0
TOTAL	0	0	0	0

Record Book Name CENTRAL NORSEMAN GOLD CORP
Operator CENTRAL NORSEMAN GOLD CORP
Date 18/02/2014 Type of Inspection ACCIDENT / INCIDENT
Inspectorate KALGOORLIE
Inspector MCCAULEY, Greg

COPY OF RECORD BOOK ENTRY

Date: 18 February 2014 at 1500 hours

Re: Incident involving fatality of worker due to collapse of hanging wall at 203 East Drive at "Major" underground mine

Special Inspector of Mines Mike McKay, Jan De Lange and Greg McCauley resumed the investigation into the above incident. This follows our inspection of the scene of the accident on 16 February 2014 and our subsequent inquiries conducted on 17 and 18 February.

(1) We record the fact that formal recorded interviews have been conducted with the following personnel:

1. Brian Micke, Registered Manager
2. Craig Oatridge, Plant Operator (Bogger)
3. Henry Alex, Mine Surveyor
4. Shane Eviston, Electrician
5. Des Okena, Scraper Driver
6. Phillip Jossle, Mine Engineer
7. Dan McMillan, Electrician
8. Michael Honman, Truck Driver Norseman Concrete (CNGM Shift Supervisor prior to January 2014 and involved in site emergency response activities on the day)
9. Nigel Driscoll, Harlequin (Major Decline) Underground Manager / Foreman.

(2) Information obtained during interviews conducted today raised concerns relating to the absence of quality-control testing of the ground support in the Majors decline in the Harlequin Mine. Prohibition Notice PC2086 has been issued in relation to this and also extends to the verification of the integrity of the ground support

in the Bullen Mine. It is our understanding that no test has been performed in the Bullen Mine since early 2013.

(3) The scene of the accident at 203 East in the Major mine must remain undisturbed, together with the material that was removed from the fall during the recovery.

(4) The site is not released, pending the outcome of the prohibition notice in force as issued by Inspector Jan De Lange on 16 February 2014.

The investigation is ongoing and we anticipate working further with Central Norseman Gold in following up regarding the later prohibition notice issued by Inspector Jan De Lange on 18 February 2014.

We anticipate that we will continue with the on-site investigation as soon as the bulk of the information requested on 17 February comes to hand.

Mike McKay - Special Inspector of Mines - Mechanical Engineer and Lead Technical Investigator
Investigation Services Branch
Strategic Policy Division

Jan De Lange - Special Inspector of Mines - Geotechnical Engineer
Resources Safety Division

Greg McCauley - Special Inspector of Mines - OSH
Resources Safety Division

Department of Mines and Petroleum, Government of Western Australia

EQUIPMENT STAND-DOWNS AND MINE CLOSURES

	SURFACE		UNDERGROUND	
	For Safety Reasons	Following an Accident	For Safety Reasons	Following an Accident
Number of Items of Equipment Stood Down	0	0	0	0
Number of Occasions a Portion of a Mine was Closed	0	0	0	0
TOTAL	0	0	0	0

Record Book Name CENTRAL NORSEMAN GOLD CORP
Operator CENTRAL NORSEMAN GOLD CORP
Date 21/02/2014 Type of Inspection ACCIDENT / INCIDENT
Inspectorate KALGOORLIE
Inspector MCCAULEY, Greg

COPY OF RECORD BOOK ENTRY

Inspector of Mines - Geotechnical Jan De Lange and Inspector of Mines - OSH Greg McCauley have today attended the Norseman Operations in relation to a fatal accident that occurred on 15-02-2014. A meeting was held with CNGM Registered Manager Brian Mickie in the company of G.E.M.S. CEO Oliver Glockner (WA Grade 1 Authorised Mine Surveyor, Certificate #1101).

Discussion related to Prohibition Notices PC2085 and PC2087. In Addition, concerns raised with the Department subsequently have been raised with Brian Mickie:

1. Salt build-up in the St Pats Emergency Egress Shaft is claimed to restrict the operation of this equipment. Brian Mickie has stated that this was an issue in February 2013 but has since been addressed. Periodic use of water is applied to remove salt build-up. Exposure is limited to weekly pump inspections in the area and no production or development activity is occurring that would require use of this equipment according to Mr Brian Mickie.
2. It was claimed that Emergency Phone #45 was not operable. The Emergency #45 was found to be operational at time of our site visit and is in addition to a site Mobile Number in use #0419 043 991.
3. Concerns regarding the Secondary Egress in the Bullen Mine 9 Level stope are unable to be assessed due to restrictions placed on area access by Prohibition Notices. These notices also ensure any current exposure does not exist. Compliance with the requirements of SMIR r.10.10 and r10.11 need to be verified in relation to the 9 Level stope.

Following our enquiries you are required to provide documented evidence that supports the effective and reliable operation of both Bullen West and St Pats Emergency Egress. A copy of the Bullen 9 Level Stope survey plan is also required that confirms 2nd Egress available records of the crane used in conjunction with the Emergency Egress are also required that confirm compliance with Registration, Certification and Operator Competency.

During discussions held in the office relating to the requirements to lift the Prohibition Notice PC 2087 the following is understood:

- The presented pull fast results was for tests conducted on previously installed units that are fitted with pull rings and units that were installed following the Prohibition Notice PC 2087.
- Those units that were installed following the Prohibition Notice PC 2087 was specifically for the purpose to conduct pull tests in order to obtain

some results.

- These results did not differentiate between previously installed units and those that were installed for the purpose to verify compliance as per Prohibition Notice PC 2087.
- That the FS 47 support units previously installed by the jumbo generally complies to the requirements of the site - "did not yield at 10t".
- Split set units that were installed in the 203 ore drive east do not complete to the sites requirements - "Slip at 4t".
- A total of 13, FS 33 units, installed by the airleg mines were tested, of which 5 did not complied to the requirements of the site - was stated to be at 6t pull out.
- The site could not respond to some of the questions revised relating to the tests conducted in the 9 Level Bullen area.

Based on the discussions and evidence provided the Prohibition Notice PC 2087, is not being lifted at this point in time. Site is still expected to comply to all requirements as per Prohibition Notice PC 2087.

The site to take note of the following:

- That the methodology to install new support elements with pull rings for the purpose of conducting pull tests in order to verify the integrity and effectiveness of an already installed support system is questionable. It is requested that the site examine this practice in more details so as to provide the DMP evidence that such a practice is acceptable.
- The scene of the accident is not released and to remain un-disturbed.
- The accident investigation remains on-going.

I have received a copy of item 20 requested in the Record Book
Entry made on the 17/2/2014.

Jan De Lange
Special Inspector of Mines
Geotechnical Engineer
21/2/2014

Greg McCauley
Special Inspector of
Mines - OSH
21/02/2014

EQUIPMENT STAND-DOWNS AND MINE CLOSURES

	SURFACE		UNDERGROUND	
	For Safety Reasons	Following an Accident	For Safety Reasons	Following an Accident
Number of Items of Equipment Stood Down	0	0	0	0
Number of Occasions a Portion of a Mine was Closed	0	0	0	0
TOTAL	0	0	0	0

Record Book Name HARLEQUIN DECLINE (CNGC)
Operator CENTRAL NORSEMAN GOLD CORP
Date 16/02/2014 Type of Inspection SAFETY - GENERAL
Inspectorate KALGOORLIE
Inspector MCCAULEY, Greg

COPY OF RECORD BOOK ENTRY

On Sunday 16 February 2014 Inspector of Mines - Geotechnical Jan De Lange, Special Inspector of Mines - Investigations Mike McKay, and Inspector jof Mines - OSH Greg McCauley attended the mine site to investigate a reported fatal accident in the underground operations of the Harlequin Mine.

A preliminary meeting occurred with Central Norseman Gold Mine Registered Manager Brian Mickie, OHS Manager Andy French, and Underground Manager / Foreman Nigel Driscoll. During this meeting a risk assessment was conducted to assess the hazards associated with accessing the accident scene. In addition, there was a discussion of the plan for the investigative activities to be conducted on Monday and Tuesday 17 and 18 February.

In the company of Nigel Driscoll and Andy French, the insepctors attended the majors decline 203 East scene of the accident. The area was assessed and photographs taken, with particular attention to the ground support conditions along that drive.

Pursuant to Section 81(1)(b) the accident scene is not to be disturbed until further notice.

Prohibition Notice PC2085 has been issued relating to a fall of ground in the 203 east.

We require the existing ground support in the 203 east to be upgraded to allow safe access to the scene of the accident by a competent Surveyor. once safe entry to the 203 drive has been established we require;

- a three dimensional laser scan of the 203 East drive
- a detailed annotated plan of accident site inclusive of all prominent features
- a two dimensional in-scale plan view of the 203 east drive
- an in-scale cross sectional view at the widest point of the fall

These documents are required pursuant to section 21(1)(g) of the Mines Safety and Inspection Act 1994.

The investigation remains ongoing at this juncture.

Mike McKay	Jan De Lange	Greg McCauley
Special Inspector of Mines	Inspector of Mines -	Inspector of Mines - OSH

Geotechnical

EQUIPMENT STAND-DOWNS AND MINE CLOSURES

	SURFACE		UNDERGROUND	
	For Safety Reasons	Following an Accident	For Safety Reasons	Following an Accident
Number of Items of Equipment Stood Down	0	0	0	0
Number of Occasions a Portion of a Mine was Closed	0	0	0	0
TOTAL	0	0	0	0

Safety Regulation System

Injury | Area: Mining Notifications

REFERENCE ID: IN-592-159879 | Status: QA Required

CENTRAL NORSEMAN GOLD CORPORATION LTD | Central Norseman Gold | Fowlie, Malcolm Wayne

Expand/Collapse All | Print

Reporting Details

Information

As required under s. 76 of the Mines Safety and Inspection Act 1994 and r. 3.41 of the Mines Safety and Inspection Regulations 1995.

Company Details

Company*: O00842 - CENTRAL NORSEMAN GOLD CORPORATION LTD
Site*: SG0002005 - Central Norseman Gold

Form Completed By

Surname: FRENCH Given Name(s): ANDREW ex50815
Position: Safety Manager
Phone: 9039 9800 Mobile: 0400001401
Fax: 9039 9803 Email: Afrench@ngold.com.au

Injured Person

Personal Details

Surname*: Fowlie Given Name(s)*: Malcolm Wayne Gender*: Male
DOB*: 04/01/1955 HSN: Unmatched

Matched Personal Details

Surname*: Given Name(s)*: Gender*:
DOB*: HSN:

Employment

Employee Status: Company Employee
Occupation*: Underground Diesel Crew Employment Type*: Full Time

On Day of Injury

Time Shift Started*: 06:00 Time Shift Due to Finish*: 18:00

Accident Details

Accident Details

Date of Accident*: 15/02/2014 Time of Accident*: Unknown
Reason Unknown: Worker was alone at the time of the occurrence. Believed to be between 0800 and 0820
Recurrence of Previous Injury*: No

Date Reported*: 15/02/2014

Injury Details

Nature of Injury*:	Crush
Part of Body Injured*:	All
Detailed Description*:	A worker was tasked with bogging out blasted rock from the face of the 203 East drive. The shot had been fired the previous day at the end of shift. The shift boss inspected the drive at approximately 0730 and discussed the task with the worker prior to commencing the task. The shift boss left to set up another job. He returned at approximately 0820 to find the bogger idling in the drive approximately 15 metres from the face. Approximately 6 metres of the hanging wall on the RHS of the drive had collapsed between the bogger and the face. The bogger operator could not be located. An emergency was declared and personnel assembled to commence moving the fall of ground on the assumption that the worker was buried beneath. The worker was found deceased at approximately 1330hrs.

Location & Activity Specifics

Location Specifics

Location of Accident*: Underground
Detailed Location on Site*: 203 East drive in the Major Decline development
GPS Co-ordinates:

Activity Specifics

Activity*: Operations

Work Status

Information

Medical treatment includes suturing of any wound, treatment of fractures, treatment of bruises by drainage of blood, treatment of second and third degree burns. Medical treatment does not include visits to physicians for observation or diagnostic counselling only; conduct of diagnostic procedures (e.g. x-rays, blood tests) that do not result in identification and subsequent treatment of an injury; visits to physicians/ other licensed health care professionals solely for preventative therapy (e.g. massage, tetanus shots).

Was the Injured Person Medically Treated?*: No

Work Status Injury Details

Work Status (Date of Accident: 15/02/2014)

Work Status	Start	End	A	L	Monthly Status
D - Deceased	15/02/2014				

Other Information

Information

Review

Review

Any issues listed below need to be resolved before the Notification can be submitted. Click on the relevant Step to correct the details.

Injured Person

- (Error) : Injured Person is required.

Safety Regulation System

Notifiable Incident | Area: Mining Notifications

REFERENCE ID: OC-105-159859 | Status: Finalisation Required

CENTRAL NORSEMAN GOLD CORPORATION LTD | Central Norseman Gold | 15/02/2014

Expand/Collapse All | Print

Reporting Details

Information

As required under ss. 76, 78 and 79 of the Mines Safety and Inspection Act 1994 and r. 6.36 of the Mines Safety and Inspection Regulations 1995.

Company Details

Company*: O00842 - CENTRAL NORSEMAN GOLD CORPORATION LTD
Site*: SG0002005 - Central Norseman Gold
Mine Site Name: Harlequin - Major Decline HV1 pit

Form Completed By

Surname: FRENCH Given Name(s): ANDREW ex50815
Position: Safety Manager
Phone: 9039 9800 Mobile: 0400001401
Fax: 9039 9803 Email: Afrench@ngold.com.au

Type, Date & Time

Incident Type

Incident Type

Yes	Legislation	Description
	s.76 (2)(a)	1 . Serious or appears to be serious injury (including fatality).
	s.78 (3)(a)	2 . Extensive subsidence, settlement or fall of ground or any major collapse.
	s.78 (3)(a)	3 . Earth movement caused by seismic event.
	s.78 (3)(b)	4 . Outbreak of fire above or below ground.
	s.78 (3)(c)	5 . Breakage of a rope, cable, chain or other gear by which persons are raised or lowered.
	s.78 (3)(d)	6 . Inrush of water.
	s.78 (3)(e)	7 . Dust ignition below ground.
	s.78 (3)(e)	8 . Presence or outburst of potentially harmful or asphyxiant gas.
	s.78 (3)(f)	9 . Accidental, delayed or fast ignition or detonation of explosives.
	s.78 (3)(g)	10 . Explosion or bursting of compressed air receivers, boilers or pressure vessels.
	s.78 (3)(h)	11 . Electric shock or burn or dangerous occurrence involving electricity.
	s.78 (3)(i)	12 . Poisoning or exposure to toxic gas or fumes where persons are affected.
	s.78 (3)(j)	13 . Loss of control, failure of braking or steering of heavy earth moving equipment.
	s.79	14 . Potentially serious occurrence.
	r.6.36	15 . Incidents affecting registered plant.

Incident Date and Time

Date of Incident*: 15/02/2014 Time of Incident*: Unknown

Reason Unknown*: Worker was alone at the time of the occurrence. Believed to be between 0800 and 0820

Location & Activity Specifics

Location Specifics

Location of Incident*: Underground
Detailed Location on Site*: 203 East drive in the Major Decline development
GPS Co-ordinates:

Activity Specifics

Activity*: Operations

Description & Impact

Description

Incident Description*: A worker was tasked with bogging out blasted rock from the face of the 203 East drive. The shot had been fired the previous day at the end of shift. The shift boss inspected the drive at approximately 0730 and discussed the task with the worker prior to commencing the task. The shift boss left to set up another job. He returned at approximately 0820 to find the bogger idling in the drive approximately 15 metres from the face. Approximately 6 metres of the hanging wall on the RHS of the drive had collapsed between the bogger and the face. The bogger operator could not be located. An emergency was declared and personnel assembled to commence moving the fall of ground on the assumption that the worker was buried beneath. The worker was found deceased at approximately 1330hrs.

Impact

No. of Injured Persons / Fatalities*: 1

Summary for Industry Awareness

To support the Government's commitment to safety transparency, on submission of your Notifiable Incident Report Form, the essence of what is reported in the Summary for Industry Awareness will be publicly available via the Department of Mines and Petroleum website.

Please provide a generic summary of the reported incident.

Summary*: A fall of ground engulfed an underground worker resulting in the death of the worker

Injury / Fatality Details

Injury / Fatality Details

Person Injury / Fatality Details

Reference ID	Surname	Given Name(s)	Gender	DOB

IN-592-159879 Fowtie Malcolm Wayne Male 04/01/1955
Address:
38 Butterfly Crescent Norseman
Occupation:
Underground Diesel Crew
Employer's Name:
Central Norseman Gold Corporation
Nature of Injury:
Crush
Part of Body:
All
Severity:
Fatal Injury
Marital Status:
Married / De Facto
Union Member?:
Children?:
Personnel Notified:
Police Coroner Union

Other Information

Information

Finalise - FYI Summary

FYI Type

Primary*: Wall Failure
Secondary:
Tertiary:

FYI Summary

a fall of ground engulfed an underground worker resulting in the death of the worker

FYI Complete

FYI Summary Complete AXTAT Manager Finalised

Review

Review

Any issues listed below need to be resolved before the Notification can be submitted. Click on the relevant Step to correct the details.

Finalise - FYI Summary

- (Error) : AXTAT Manager Finalised must be ticked to Approve.