

HARMONY GOLD MINING CO LTD

Form 6-K

June 25, 2010

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO
RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934

For

25

June 2010

**Harmony Gold Mining Company
Limited**

Randfontein Office Park

Corner Main Reef Road and Ward Avenue

Randfontein, 1759

South Africa

(Address of principal executive offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F X

Form 40-F

(Indicate by check mark whether the registrant by
furnishing the information contained in this form
is also thereby furnishing the information to the
Commission pursuant to Rule 12g3-2(b) under the
Securities Exchange Act of 1934.)

Yes

No X

**Issued by Harmony Gold
Mining Company Limited
25 June 2010**

For more details contact:

Esha Brijmohan

Investor Relations Officer

on +27 (0)82 759 1775

Corporate Office:

Randfontein Office Park

P O Box 2

Randfontein

South Africa 1760

T +27 (11) 411 2000

www.harmony.co.za

JSE: HAR

NYSE: HMY

ISIN No.: ZAE000015228

Multiple fatalities at Harmony's Phakisa mine

Johannesburg, Friday, 25 June 2010.

Harmony Gold Mining Company Limited

(Harmony) regrets to announce that three employees died in an underground explosion accident at its Phakisa mine in the Free State on Thursday, 24 June 2010.

Two other employees were seriously injured and are being treated at the local hospital.

The employees were part of a Mine Rescue Team that was busy investigating a suspected fire in a raise, underground at the time of the accident. All other employees working underground at the time of the explosion were accounted for and are safe.

The explosion occurred at approximately 22:30 on Thursday, some 2,013 meters below surface.

Management together with the representatives of the Department of Mineral Resources worked through the night on the rescue operation. Investigations into the causes of the accident will be conducted once the area has been declared safe.

Harmony's Chief Executive, Graham Briggs and his management team, expresses their sincere condolences to the families of the deceased and injured who were affected by the incident.

ends.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dated: June 25, 2010

Harmony Gold Mining Company Limited

By: /s/ Hannes Meyer

Name: Hannes Meyer

Title: Financial Director