
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 the month of January 2018

Commission File Number 001-12284

GOLDEN STAR RESOURCES LTD.

(Translation of registrant's name into English)

150 King Street West
Suite 1200
Toronto, Ontario
M5H 1J9, Canada

(Address of principal executive office)

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 Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): _____

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.

Date: January 2, 2018

GOLDEN STAR RESOURCES LTD.

By: /s/ André van Niekerk
André van Niekerk
Executive Vice President and
Chief Financial Officer

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description of Exhibit</u>
<u>99.1</u>	<u>Press Release dated January 2, 2018 - Golden Star Reports Two Fatalities at Prestea Underground Gold Mine</u>

Golden Star Reports Two Fatalities at Prestea Underground Gold Mine

TORONTO, Jan. 2, 2018 /CNW/ - Golden Star Resources (NYSE American: GSS; TSX: GSC; GSE: GSR) ("Golden Star" or the "Company") regrets to report two fatalities at its Prestea Underground Gold Mine ("Prestea Underground") in Ghana on December 29, 2017.

Initial investigations suggest that the two employees succumbed to smoke inhalation sickness following exposure to blasting gasses. Golden Star suspended operations at Prestea Underground to allow for the initial investigation of the incident, but the mine resumed full operation as of January 1, 2018. Mine management and the Inspector of Mines continue to conduct further investigations.

Sam Coetzer, President and Chief Executive Officer of Golden Star, commented:

"We are deeply saddened by the passing of two of our colleagues. On behalf of us all at Golden Star, and particularly the close-knit team at Prestea, we extend our sincerest condolences to the individuals' families and friends. Safety is our highest priority and we take great care in ensuring that all of our underground team members have self-rescuers and that they are trained to use them correctly. We are conducting further investigations to understand why this tragedy occurred and how to prevent it from happening again."

Company Profile:

Golden Star is an established gold mining company that owns and operates the Wassa and Prestea mines situated on the prolific Ashanti Gold Belt in Ghana, West Africa.

SOURCE Golden Star Resources Ltd.

View original content: <http://www.newswire.ca/en/releases/archive/January2018/02/c5930.html>

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For further information: please visit www.gsr.com or contact: Katharine Sutton, Vice President, Investor Relations and Corporate Affairs, +1 416 583 3800, investor@gsr.com

CO: Golden Star Resources Ltd.

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