

ANGLOGOLD ASHANTI LTD  
Form 6-K/A  
January 24, 2011

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 6-K/A  
REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 or 15d-16 OF  
THE SECURITIES EXCHANGE ACT OF 1934  
Report on Form 6-K dated January 24, 2011

*This Report on Form 6-K shall be incorporated by reference in our automatic shelf Registration Statement on Form F-3 as amended (File No. 333-161634) and our Registration Statements on Form S-8 (File Nos. 333-10990 and 333-113789) as amended, to the extent not superseded by documents or reports subsequently filed by us under the Securities Act of 1933 or the Securities Exchange Act of 1934, in each case as amended*

Commission file number: 1-14846

AngloGold Ashanti Limited  
(Name of Registrant)

76 Jeppe Street  
Newtown, Johannesburg, 2001  
(P O Box 62117, Marshalltown, 2107)  
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:  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):

Yes:  No:

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):

Yes:  No:

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:

**TABLE OF CONTENTS**

EXPLANATORY NOTE

SIGNATURES

EXHIBITS TO FORM 6-K/A

EX-101 INSTANCE DOCUMENT

EX-101 SCHEMA DOCUMENT

EX-101 CALCULATION LINKBASE DOCUMENT

EX-101 LABELS LINKBASE DOCUMENT

EX-101 PRESENTATION LINKBASE DOCUMENT

EX-101 DEFINITION LINKBASE DOCUMENT

**EXPLANATORY NOTE**

This Form 6-K/A is being filed by AngloGold Ashanti Limited (the Company) as an amendment to the Form 6-K dated December 17, 2010 and enclosing unaudited consolidated financial statements as of September 30, 2010 and December 31, 2009 and for each of the nine month periods ended September 30, 2010 and 2009, prepared in accordance with U.S. GAAP, and related management's discussion and analysis of financial condition and results of operations as amended by the Form 6-K/A filed by the Company on January 14, 2011 (the December 17, 2010 6-K). The purpose of this Form 6-K/A is to amend the December 17, 2010 6-K to provide Interactive Data File disclosure. The Interactive Data File disclosure attached as Exhibit 101 to this Form 6-K/A is the first Interactive Data File the Company is required to submit that includes detailed tagging of footnotes and schedules in order to comply with Rule 405 of Regulation S-T.

Other than as expressly set forth above, this Form 6-K/A does not, and does not purport to, amend, update or restate the information presented in the December 17, 2010 6-K.

**SIGNATURES**

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

AngloGold Ashanti Limited

Date: January 24, 2011

By: /s/ L Eatwell

Name: L Eatwell

Title: Company Secretary

3

---

**EXHIBITS TO FORM 6-K/A**

<b>Exhibit Number</b>	<b>Description</b>	<b>Remarks</b>
Exhibit 101.INS	XBRL Instance Document	
Exhibit 101.SCH	XBRL Taxonomy Extension Schema Document	
Exhibit 101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document	
Exhibit 101.LAB	XBRL Taxonomy Extension Label Linkbase Document	
Exhibit 101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document	
Exhibit 101.DEF	XBRL Taxonomy Extension Definition Linkbase Document	