BHP BILLITON LTD Form 6-K August 22, 2007

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

August 21, 2007

BHP BILLITON LIMITED

BHP BILLITON PLC

(ABN 49 004 028 077)

(REG. NO. 3196209)

(Exact name of Registrant as specified in its charter)

(Exact name of Registrant as specified in its charter)

VICTORIA, AUSTRALIA

ENGLAND AND WALES

(Jurisdiction of incorporation or organisation)

(Jurisdiction of incorporation or organisation)

180 LONSDALE STREET, MELBOURNE, VICTORIA

NEATHOUSE PLACE, VICTORIA, LONDON,

3000 AUSTRALIA

UNITED KINGDOM

(Address of principal executive offices)

(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: [x] Form 20-F [x] 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 [x] No

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

Issued by: BHP Billiton Plc

BHP Billiton Limited

To:

London Stock Exchange Australian Stock Exchange

Cc:

New York Stock Exchange JSE Limited Swiss Stock Exchange Deutsche Bank UBS Zurich

Date: 21 August 2007

For Release: Immediately

BHP BILLITON PLC - TRANSACTION IN SHARES

BHP Billiton Limited announces that on 21 August 2007 it purchased 500,000 ordinary shares of BHP Billiton Plc at an average price of 1279.2307 pence per ordinary share.

Following the above transaction, BHP Billiton Plc holds 24,910,000 of its ordinary shares as treasury shares and BHP Billiton Limited holds 37,511,714 of the ordinary shares in BHP Billiton Plc, for a total of 62,421,714 shares. The total number of BHP Billiton Plc ordinary shares in issue (excluding shares held as treasury shares and shares held by BHP Billiton Limited) is 2,284,390,288.

For further information, please contact:

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Company Secretary
BHP Billiton Plc
Robert Franklin

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Company Secretary

BHP Billiton Limited

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Further information on BHP Billiton can be found on our Internet site: www.bhpbilliton.com

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Australia

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BHP Billiton Limited ABN 49 004 028 077

Registered in Australia

Registered Office: Level 27, 180 Lonsdale Street Melbourne

Victoria 3000

Telephone +61 1300 554 757 Facsimile +61 3 9609 3015

BHP Billiton Plc Registration number 3196209

Registered in England and Wales

Registered Office: Neathouse Place London SW1V 1BH United

Kingdom

Telephone +44 20 7802 4000 Facsimile +44 20 7802 4111

The BHP Billiton Group is headquartered in Australia

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.

BHP Billiton Limited and BHP Billiton Plc

Date: 21 August 2007 By: Jane McAloon

Name: Jane McAloon

Title: Group Company Secretary

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code (Instr. 8	ransactionNumber Expiration ode of (Month/Da			7. Titl Amou Under Secur (Instr.	int of rlying	8. Price of Derivative Security (Instr. 5)	
				Code '	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KAKKIS EMIL D C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE NOVATO, CA 94949

Chief Medical Officer

Signatures

G. Eric Davis, Attorney-in-Fact 07/18/2008

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Transaction made pursuant to a Rule10b5-1 Trading Plan executed March 1, 2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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