

BHP BILLITON LTD  
Form 6-K  
March 12, 2008

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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

March 11, 2008

**BHP BILLITON LIMITED**

(ABN 49 004 028 077)

(Exact name of Registrant as specified in its charter)

VICTORIA, AUSTRALIA

(Jurisdiction of incorporation or organisation)

180 LONSDALE STREET, MELBOURNE, VICTORIA

3000 AUSTRALIA

(Address of principal executive offices)

**BHP BILLITON PLC**

(REG. NO. 3196209)

(Exact name of Registrant as specified in its charter)

ENGLAND AND WALES

(Jurisdiction of incorporation or organisation)

NEATHOUSE PLACE, VICTORIA, LONDON,

UNITED KINGDOM

(Address of principal executive offices)

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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 [x] No

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

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11 March 2008  
Number 10/08

### **SOUTH AFRICAN POWER REDUCTION IMPACT ON BHP BILLITON ALUMINIUM**

On 24 January, the South African national power company, Eskom, determined that it had insufficient power to meet demand. An emergency 10 per cent reduction in power consumption by many large industrial users, including BHP Billiton, was mandated. BHP Billiton's contracts with Eskom specify that the power supply to our aluminium smelters can only be interrupted approximately one per cent of the time per calendar year. Despite this, and respecting the emergency situation faced by the country, BHP Billiton has reduced its demand by the requested 10 per cent.

Power reductions were initially achieved by reducing power by approximately 10 per cent at all three of our Southern Africa smelters. This operating methodology is unsustainable. As we understand that the power reductions are likely to last for a number of years, we have assessed our options to more effectively deal with a longer-term reduction in power.

As a result of this assessment we plan to take the bulk of the power reduction at Bayside (100 per cent owned by BHP Billiton) while Hillside and Mozal will continue at reduced operating levels to comply with the 10 per cent mandatory overall power demand reduction.

We have therefore commenced consultations with our employees about a possible closure of operations of the B and C potlines at Bayside. Total annual production loss will be just over 120,000 tonnes across all three smelters (100% basis), including approximately 92,000 tonnes from Bayside.

Also in South Africa, our 60 per cent owned manganese business, Samancor, is operating at 90 per cent of normal peak power demand although the impact on production is small and felt principally in the Metalloys alloy plant. Our coal operations have been minimally affected and have offered to help Eskom rebuild its coal stocks.

Notes:

BHP Billiton operates three aluminium smelters in southern Africa. Production statistics for these smelters are:

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<u>Smelter</u>	<u>Location</u>	<u>Ownership</u>	BHP Billiton <u>Production FY07</u>	Annual
Bayside	Richards Bay, South Africa	100 per cent	194,000 tonnes	
Hillside	Richards Bay, South Africa	100 per cent	004,000 tonnes	
Mozal	Maputo, Mozambique	47.1 per cent	165,000 tonnes (BHP Billiton share)	

Further information on BHP Billiton can be found on our Internet site: [www.bhpbilliton.com](http://www.bhpbilliton.com)

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**BHP Billiton Limited ABN 49 004 028 077**

Registered in Australia  
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Melbourne Victoria 3000  
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**BHP Billiton Plc Registration number 3196209**

Registered in England and Wales  
Registered Office: Neathouse Place London SW1V 1BH  
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**The BHP Billiton Group is headquartered in Australia**





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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: 11 March 2008

By: Jane McAloon

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Name: Jane McAloon  
Title: Group Company Secretary