

ARCH CAPITAL GROUP LTD.  
Form 8-K  
May 19, 2006

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

**FORM 8-K**

**Current Report Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934**

**May 19, 2006 (May 17, 2006)**  
Date of Report (Date of earliest event reported)

**Arch Capital Group Ltd.**  
(Exact name of registrant as specified in its charter)

**Bermuda**  
(State or other jurisdiction of  
incorporation or organization)

**0-26456**  
(Commission File Number)

**N/A**  
(I.R.S. Employer  
Identification No.)

**Wessex House, 45 Reid Street, Hamilton HM 12, Bermuda**  
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code:  
**(441) 278-9250**

**N/A**  
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**ITEM 8.01**      **Other Events.**

Attached hereto as Exhibit 99.1 is the Underwriting Agreement, dated as of May 17, 2006, by and among the Company and the parties listed therein relating to the Company's offering of 5,000,000 of its 7.875% Series B Non-Cumulative Preferred Shares.

**ITEM 9.01**      **Exhibits.**

**EXHIBIT**

<b>NO.</b>	<b>DESCRIPTION</b>
99.1	Underwriting Agreement, dated May 17, 2006, by and among Arch Capital Group Ltd. and the parties listed therein.

**SIGNATURES**

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

ARCH CAPITAL GROUP LTD.

Date: May 17, 2006

By:

/s/ John D. Vollaro  
Name: John D. Vollaro  
Title: Executive Vice President, Chief Financial  
Officer and Treasurer

**EXHIBIT INDEX**

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4

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