

ARCH CAPITAL GROUP LTD.
Form 4
May 13, 2008

FORM 4

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

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB Number: 3235-0287
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(Print or Type Responses)

1. Name and Address of Reporting Person *
PETRILLO LOUIS T

(Last) (First) (Middle)

ARCH CAPITAL SERVICES
INC., 360 HAMILTON AVENUE,
SUITE 600

(Street)

WHITE PLAINS, NY 10601

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading
Symbol
ARCH CAPITAL GROUP LTD.
[ACGL]

3. Date of Earliest Transaction
(Month/Day/Year)
05/09/2008

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director
 Officer (give title below)
____ 10% Owner
____ Other (specify below)
Officer of Subsidiary

6. Individual or Joint/Group Filing(Check
Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Shares, \$.01 par value per share	05/09/2008		A	5,000	A 22,042	D	
Common Shares, \$.01 par value per share	05/09/2008		F	661 ⁽³⁾	\$ 69.3 21,381	D	

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

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(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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Stock Appreciation Right (2)	\$ 69.3	05/09/2008		A	5,000	(2) 05/09/2018	Common Shares, \$.01 par value per share	5,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

PETRILLO LOUIS T
ARCH CAPITAL SERVICES INC.
360 HAMILTON AVENUE, SUITE 600
WHITE PLAINS, NY 10601

Officer of
Subsidiary

Signatures

/s/ Louis T.
Petrillo 05/12/2008

**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) Represents restricted share units that vest in three equal annual installments on May 9th in each of 2009, 2010 and 2011, subject to the applicable award agreement.

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- (2) The stock appreciation right will become exercisable in three equal annual installments, with the first installment becoming exercisable on May 9, 2009 and the next two installments on May 9, 2010 and May 9, 2011, subject to the terms of the applicable award agreement.
- (3) Represents shares withheld to pay taxes due upon the vesting of restricted stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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