

PETRILLO LOUIS T
Form 4
November 16, 2009

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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

(Print or Type Responses)

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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
11/12/2009

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

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

(Street)

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

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

WHITE PLAINS, NY 10601

(City) (State) (Zip)

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 Indirect Beneficial Ownership (Instr. 4) | | |
|---|--------------------------------------|--|--------------------------------|---|---|--|---|--------|---|
| | | | Code | V | Amount | (D) | Price | | |
| Common Shares, \$0.01 par value per share | 11/12/2009 | | M | | 3,750 | A | \$ 16 | 27,760 | D |
| Common Shares, \$0.01 par value per share | 11/12/2009 | | M | | 6,250 | A | \$ 16 | 34,010 | D |

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| | | | | | | | |
|---|------------|---|--------|---|------------|--------|---|
| Common Shares, \$0.01 par value per share | 11/12/2009 | M | 10,000 | A | \$ 15 | 44,010 | D |
| Common Shares, \$0.01 par value per share | 11/12/2009 | M | 40,000 | A | \$ 20 | 84,010 | D |
| Common Shares, \$0.01 par value per share | 11/12/2009 | S | 60,000 | D | \$ 70.0252 | 24,010 | D |

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.

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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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option (right to buy) | \$ 16 | 11/12/2009 | | M | 3,750 | <u>(1)</u> 05/05/2010 | Common Shares, \$0.01 par value per share | 3,750 |
| Stock Option (right to buy) | \$ 16 | 11/12/2009 | | M | 6,250 | <u>(1)</u> 05/05/2010 | Common Shares, \$0.01 par value per share | 6,250 |
| Stock Option | \$ 15 | 11/12/2009 | | M | 10,000 | <u>(1)</u> 01/30/2011 | Common Shares, | 10,000 |

| | | | | | | | | | |
|-----------------------------|-------|------------|---|--------|------------|------------|--|--|---|
| (right to buy) | | | | | | | | | \$.01 par value per share |
| Stock Option (right to buy) | \$ 20 | 11/12/2009 | M | 40,000 | <u>(1)</u> | 10/23/2011 | | | Common Shares, \$.01 par value per share 40,000 |

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. 11/16/2009
 Petrillo

**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) Pursuant to the applicable agreements, such options vested and became exercisable on or before January 30, 2005.

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.