

PETRILLO LOUIS T
 Form 4
 November 16, 2009

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 _____ 10% Owner
 Officer (give title below) _____ 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.

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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. 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	(1)	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.
Petrillo

11/16/2009

**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.

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