

McElroy David
Form 3
July 31, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
Expires: January 31, 2015
Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â McElroy David | | (Month/Day/Year) | ARCH CAPITAL GROUP LTD. [ACGL] | |
| (Last) | (First) | (Middle) | 07/25/2012 | |
| 300 PLAZA THREE, 3RD FLOOR | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| JERSEY CITY, Â NJ Â 07311 | | | <input type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| (City) | (State) | (Zip) | <input checked="" type="checkbox"/> Officer | <input type="checkbox"/> Other |
| | | | (give title below) | (specify below) |
| | | | Chairman & CEO Arch Insur Gr | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| | | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | | <input type="checkbox"/> Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|---|--|---|
| Common Shares, \$.0033 par value per share | 24,043 | D | Â |

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
|--|--|---|--|--|---|

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| | Date Exercisable | Expiration Date | Amount or Number of Shares | or Indirect (I) (Instr. 5) |
|--------------------------|------------------|-----------------|---|----------------------------|
| Stock Appreciation Right | Â (1) | 06/08/2019 | Common Shares, \$.0033 par value per share 22,500 | \$ 19.347 D Â |
| Stock Appreciation Right | Â (2) | 05/05/2020 | Common Shares, \$.0033 par value per share 13,500 | \$ 25.01 D Â |
| Stock Appreciation Right | Â (3) | 05/06/2021 | Common Shares, \$.0033 par value per share 4,200 | \$ 33.913 D Â |
| Stock Appreciation Right | Â (4) | 05/09/2022 | Common Shares, \$.0033 par value per share 2,400 | \$ 38.58 D Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|--------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| McElroy David 300 PLAZA THREE, 3RD FLOOR JERSEY CITY, NJ 07311 | Â | Â | Â Chairman & CEO Arch Insur Gr | Â |

Signatures

/s/ David
McElroy

07/31/2012

**Signature of
Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) The stock appreciation right became exercisable in three equal annual installments, with the first installment became exercisable on June 8, 2010 and the next two installments on June 8, 2011 and June 8, 2012.
- (2) The stock appreciation right will become exercisable in three equal annual installments, with the first installment becoming exercisable on May 5, 2011 and the next two installments on May 5, 2012 and May 5, 2013.
- (3) The stock appreciation right will become exercisable in three equal annual installments, with the first installment becoming exercisable on May 6, 2012 and the next two installments on May 6, 2013 and May 6, 2014.

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- (4) The stock appreciation right will become exercisable in three equal annual installments, with the first installment becoming exercisable on May 9, 2013 and the next two installments on May 9, 2014 and May 9, 2015.

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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