### ARCH CAPITAL GROUP LTD.

Form 5

February 09, 2017

FORM 5								OMB APP	ROVAL
	JNITED STATE				E CC	MM		OMB Number:	3235-0362
Check this box if no longer subject		Washingto	on, D.C. 20	549					January 31, 2005
to Section 16. Form 4 or Form 5 obligations may continue.	ANNUAL S	STATEMENT OF CHANGES IN BENE OWNERSHIP OF SECURITIES					12	Estimated average burden hours per response 1.	
	Filed pursuant to ection 17(a) of the 30(b		Iolding Com	pany Act	t of 1				
1. Name and Address of IORDANOU CONS		2. Issuer Name and Symbol ARCH CAPIT [ACGL]				. Relat		eporting Person	n(s) to
(Last) (Firs	st) (Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  12/31/2016 X Direction in the control of the				10% O tle Other ( below)			
C/O ARCH CAPIT LTD., WATERLO PITTS BAY ROAD	OO HOUSE,100	12/3/1/2010					Chair	nan & CEO	
(Stre	eet)	4. If Amendment, Filed(Month/Day/Y	_		6	. Indiv		t/Group Report	ing
							(cneck a	pplicable line)	
PEMBROKE, D0	HM 08				_			e Reporting Pers re than One Repo	
(City) (Stat	te) (Zip)	Table I - No	n-Derivative S	Securities A	Acqui	red, D	isposed of, o	or Beneficially	Owned
2	2. Transaction Date (Month/Day/Year)		3. Transaction Code (Instr. 8)	4. Securit Acquired Disposed (Instr. 3, 4	(A) or of (D) 4 and (A) or	)	5. Amount of Securities Beneficiall Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Shares, \$.0033 par value per share	Â	Â	Â	Amount	(D) Â	Price Â	191,522	D	Â
Common Shares, \$.0033 par value per share	Â	Â	Â	Â	Â	Â	201,676	I	By 2015 GRAT

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(non-convertible)									
Series C Non-Cumulative Preferred Shares	Â	Â	Â	Â	Â	Â	1,800	I	By spouse
Series C Non-Cumulative Preferred Shares (non-convertible)	Â	Â	Â	Â	Â	Â	6,000	D	Â
Common Shares, \$.0033 par value per share	Â	Â	Â	Â	Â	Â	11,616	I	By child
Common Shares, \$.0033 par value per share	Â	Â	Â	Â	Â	Â	116,613	I	By Limited Liability Company
Common Shares, \$.0033 par value per share	Â	Â	Â	Â	Â	Â	83,333	I	By Limited Liability Company
Common Shares, \$.0033 par value per share	Â	Â	Â	Â	Â	Â	158,514	I	By 2010 GRAT

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

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SEC 2270 (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 Underlying (Instr. 3 and
					(A)	(D)	Date Exercisable	Expiration Date	Title
Share Appreciation Right	\$ 23.707	12/31/2016	Â	G	Â	8,698 (2)	(1)	05/11/2017	Common Shares, \$.0033 par value per share
Share Appreciation Right	\$ 23.707	12/31/2016	Â	G	8,698 (2)	Â	(1)	05/11/2017	Common Shares, \$.0033 par value

									per share
Share Appreciation Right	\$ 19.293	12/31/2016	Â	G	Â	27,084 (3)	(4)	05/06/2019	Common Shares, \$.0033 par value per share
Share appreciation right	\$ 19.293	12/31/2015	Â	G	27,084 (3)	Â	(4)	05/06/2019	Common Shares, \$.0033 par value per share
Share appreciation right	\$ 33.913	12/31/2016	Â	G	Â	84,748 ( <u>5)</u>	(6)	05/06/2021	Common Shares, \$.0033 par value per share
Share Appreciation Right	\$ 33.913	12/31/2016	Â	G	84,748 (5)	Â	(6)	05/06/2021	Common Shares, \$.0033 par value per share

## **Reporting Owners**

Reporting Owner Name / Address	Relationships							
F	Director	10% Owner	Officer	Other				
IORDANOU CONSTANTINE C/O ARCH CAPITAL GROUP LTD. WATERLOO HOUSE,100 PITTS BAY ROAD PEMBROKE, D0 HM 08	ÂX	Â	Chairman & CEO	Â				

## **Signatures**

/s/ Louis Petrillo, Attorney
in fact

\*\*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) The share appreciation right (SARs) became exercisable in three equal annual installments with the first installment being exercisable on May 11, 2008 and the second and third installments being exercisable on May 11, 2009 and May 11, 2010.
- On December 31, 2016, 8,698 SARs were distributed from the 2010 GRAT. Such SARs were previously reported as indirectly (2) beneficially held by the 2010 GRAT. Following this distribution, the 2010 GRAT indirectly owns 94,060 SARs and the reporting person directly owns 40,940 SARs.
- On December 31, 2016, 27,084 SARs were distributed from the 2014 GRAT. Such SARs were previously reported as indirectly (3) beneficially held by the 2014 GRAT. Following such distribution, the 2014 GRAT no longer owns this SAR and the reporting person directly owns 93,300 SARs.

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- (4) The SARs became exercisable in three equal annual installments with the first installment being exercisable on May 6, 2010 and the second and third installments being exercisable on May 6, 2011 and May 6, 2012.
- On December 31, 2016, 84,748 SARs were distributed from the 2014 GRAT. Such SARs were previously reported as indirectly (5) beneficially held by the 2014 GRAT. Following such distribution, the 2014 GRAT indirectly owns 15,317 SARs and the reporting person owns 84,748 SARs directly.
- The share appreciation right became exercisable in three equal annual installments with the first installment being exercisable on May 6, 2012 and the second and third installments being exercisable on May 6, 2013 and May 6, 2014.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.