## ARCH CAPITAL GROUP LTD.

Form 4 May 10, 2006

May 10, 20	06											
EODM 4								OMB APPROVAL				
Washington, D.C. 20549								OMB Number:	3235-0287			
Check to if no lor	nger									January 31, 2005		
subject Section Form 4 Form 5 obligation	Section 16. Form 4 or Form 5 obligations  SIATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES  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							Act of 1934,	Estimated average burden hours per response 0.5			
may cor <i>See</i> Inst 1(b).		30(h)	of the In	ivestment	Compa	ny Ao	ct of 1940	)				
(Print or Type	Responses)											
INGREY PAUL B Symb			Symbol ARCH	r Name <b>an</b>			6	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)				
			[ACGL	-								
(Last) (First) (Middle) 3. Date of (Month/D) WESSEX HOUSE, 4TH FLOOR, 45 05/08/20 REID STREET				•				XDirector10% OwnerOfficer (give titleX Other (specify below)				
				Ionth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person				
HAMILTO	ON, D0 HM 12							Form filed by Mo Person	ore than One Rej	porting		
(City)	(State)	Zip)	Tab	le I - Non-l	Derivative	Secu	rities Acqu	ired, Disposed of,	or Beneficiall	y Owned		
1.Title of Security (Instr. 3)	(Month/Day/Year)	Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)			Code (Instr. 3, 4 and 5)				Ownership Indir Form: Bene Direct (D) Own	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Shares, \$.01 par value per share	05/08/2006			S	1,787 (1)	D		2 343,503	D			
Common Shares, \$.01 par value per share	05/08/2006			S	5,000 (1)	D	\$ 59.6795	338,503	D			

S

05/08/2006

D

336,003

D

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Common Shares, \$.01 par value per share			2,500 (1)		\$ 59.6894		
Common Shares, \$.01 par value per share	05/08/2006	S	2,500 (1)	D	\$ 59.7001	333,503	D
Common Shares, \$.01 par value per share	05/09/2006	S	2,500 (1)	D	\$ 59.0523	331,003	D
Common Shares, \$.01 par value per share	05/09/2006	S	2,500 (1)	D	\$ 59.0653	328,503	D
Common Shares, \$.01 par value per share	05/09/2006	S	5,000 (1)	D	\$ 59.0996	323,503	D
Common Shares, \$.01 par value per share	05/09/2006	S	1,787 (1)	D	\$ 59.13	321,716	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.

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e	Securities	(Instr. 5)	Bene
	Derivative				Securities	S	(Instr. 3 and 4)		Own
	Security				Acquired				Follo
	·				(A) or				Repo
					Disposed				Trans
					of (D)				(Instr
									,

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(Instr. 3, 4, and 5)

Date Expiration or Number of Shares

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

INGREY PAUL B WESSEX HOUSE, 4TH FLOOR 45 REID STREET HAMILTON, D0 HM 12

X Chairman of the Board

**Signatures** 

/s/ Louis T. Petrillo Attorney in fact 05/10/2006

\*\*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 sale of shares was effected pursuant to a Rule 10b5-1 Plan adopted by the Reporting Person on December 12, 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.

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