Ingersoll-Rand plc Form 4 February 17, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

OMB APPROVAL OMB 3235-0287

Washington, D.C. 20549 Number:

January 31, Expires: 2005 Estimated average

burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

if no longer subject to Section 16. Form 4 or Form 5

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Shares

(Print or Type Responses)

1. Name and Address of Reporting Person *

NACHTIGAL PATRICIA				Symbol	Symbol Ingersoll-Rand plc [IR]			I	Issuer (Check all applicable)			
	(Last) C/O INGERSO: COMPANY, OR AVENUE		(Middle	(Month/Day/ 02/12/2010	Year)	action		_	(Check all applicable) _X_ Director 10% Owner _X_ Officer (give title Other (specify below) Senior Vice President			
	PISCATAWAY	(Street) 7, NJ 08855	5	4. If Amendn Filed(Month/I		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person					rson	
	(City)	(State)	(Zip)	Table I	Non-Deri	vative Sec	urities	s Acqui	red, Disposed of,	or Beneficial	ly Owned	
	1.Title of Security (Instr. 3)	2. Transactic (Month/Day,		2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	onAcquired Disposed	. Securities Acquired (A) or Disposed of (D) Instr. 3, 4 and 5) (A) or Amount (D) Prior		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)	
	Ordinary Shares (Restricted Share Units) (1)	02/12/201	0		F	1,172 (2)	D	\$ 0	6,456 <u>(3)</u>	D		
	Ordinary Shares (Performance Shares) (4)	02/12/201	0		F	2,533 (5)	D	\$0	0	D		
	Ordinary Shares								85,034 <u>(6)</u>	D		

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2009 - 2010 Performance Share Units (7)	32,651	D	
2009 - 2011 Performance Share Units (8)	32,651	D	
Ordinary Shares (9)	1,451.12	I	By Plan Trustee

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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)	4. Transaction Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,			7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other			
NACHTIGAL PATRICIA C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855	X		Senior Vice President				
A ! .							

Signatures

/s/ Kenneth H. Yi -02/17/2010 Attorney-in-Fact **Signature of Reporting Person Date

Reporting Owners 2

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) Restricted share units vest in three annual installments beginning on February 12, 2010.
- (2) Represents shares forfeited pursuant to a net settlement procedure for Restricted Share Units.
- (3) Amount reflects the reduction of forfeited net settlement shares as well as the resulting net shares that have vested and are now held directly as ordinary shares by the Reporting Person.
- (4) These shares were granted under the Ingersoll-Rand Performance Share Program and vest one year from the date of grant.
- (5) Represents shares forfeited pursuant to a net settlement procedure for shares granted under the Performance Share Program.
- (6) Includes shares acquired pursuant to a net settlement procedure for the vested Restricted Share Units and Performance Shares.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from 0 to two times the (7) initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to S&P 500 Industrial Index. The shares, if any, will be issued in February 2011.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to S&P 500 Industrial Index. The shares, if any, will be issued in February 2012.
- (9) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.

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.