Weller Richard Form 4 January 05, 2012

FORM 4

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

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)

(Last)

(City)

1. Title of

Security

(Instr. 3)

1. Name and Address of Reporting Person * Weller Richard

(First) (Middle)

C/O INGERSOLL-RAND COMPANY, ONE CENTENNIAL **AVENUE**

(Street)

(State)

PISCATAWAY, NJ 08854

(Zip)

2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

2. Issuer Name and Ticker or Trading Symbol

Ingersoll-Rand plc [IR]

3. Date of Earliest Transaction (Month/Day/Year)

01/04/2012

4. If Amendment, Date Original

Filed(Month/Day/Year)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 3. 4. Securities

Code Disposed of (D) (Month/Day/Year) (Instr. 8)

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

(Instr. 3, 4 and 5)

TransactionAcquired (A) or

(A)

Code V Amount (D) Price

or

OMB APPROVAL

OMB Number:

3235-0287

January 31, Expires: 2005

Estimated average burden hours per

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0.5

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

below) below)

VP & Corporate Controller

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned (I) Ownership (Instr. 4) Following (Instr. 4)

Reported Transaction(s)

(Instr. 3 and 4)

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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)

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date Conversion

5. Number

6. Date Exercisable and

7. Title and Amount of Underlying

8. Pric Deriva

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		Securities (Instr. 3 and	4)	Securit (Instr.
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units	\$ 0	01/04/2012		A	56.03		<u>(1)</u>	<u>(1)</u>	Ordinary Shares	56.03	\$ (

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Weller Richard C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08854

VP & Corporate Controller

Signatures

/s/ S. Wade Sheek - Attorney-in-Fact

01/05/2012

**Signature of Reporting Person I

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) These Phantom Stock Units are to be settled in cash equal to the fair market value of ordinary shares multiplied by the number of phantom stock units held upon the reporting person's termination of employment with the issuer.
- (2) Amount represents an approximate number of shares based on the total market value of the reporting person's Company stock fund units, as reported by the trustee of the Company supplemental compensation plans.

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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