PENTAIR plc Form 4 February 19, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

0.5

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Addr GARDEN EDV	*	ng Person *	2. Issuer Name and Ticker or Trading Symbol PENTAIR plc [PNR]	5. Relationship of Reporting Person(s) to Issuer				
			*	(Check all applicable)				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction					
280 PARK AV	ENUE, 41S	ST FLOOR	(Month/Day/Year) 02/17/2016	Director 10% Owner Officer (give titleX Other (specify below) Please see remarks below				
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
NEW YORK, NY 10017			Filed(Month/Day/Year)	Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person				

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securitie orDisposed o (Instr. 3, 4	f (D)	uired (A) or	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	02/17/2016		P	80,041	A	\$ 47.2633 (1)	13,761,918	I	Please see explanation below (2) (3)
Ordinary Shares	02/17/2016		P	49,959	A	\$ 47.5076 (4)	13,811,877	I	Please see explanation below (2) (3)
Ordinary Shares	02/18/2016		P	110,473	A	\$ 47.8082 (5)	13,922,350	I	Please see explanation below (2) (3)
Ordinary Shares	02/18/2016		P	87,226	A	\$ 48.2291	14,009,576	I	Please see explanation

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below (2) (3) Please see Ordinary 326,312 A 47.9442 14,335,888 I 02/19/2016 explanation Shares below (2) (3)

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 required to respond unless the form displays a currently valid OMB control

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9. Nu Deriv Secu Bene Own Follo Repo Trans (Insti

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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Secur (Instr.	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
GARDEN EDWARD P 280 PARK AVENUE, 41ST FLOOR NEW YORK, NY 10017				Please see remarks below			
TRIAN FUND MANAGEMENT, L.P. 280 PARK AVENUE, 41ST FLOOR NEW YORK, NY 10017				Please see remarks below			

Signatures

Daniel R. Marx, Attorney-In-Fact for Edward P. Garden			
**Signature of Reporting Person	Date		
Daniel R. Marx, Attorney-In-Fact for Edward P. Garden, member of the general partner of Trian Fund Management, L.P.			
**Signature of Reporting Person	Date		

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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).
- The price shown in Column 4 is a weighted average purchase price. The price range for the purchases is \$46.46 to \$47.46. The
- (1) Reporting Persons undertake to provide upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, full information regarding the number of shares purchased at each separate price.
 - Trian Fund Management, L.P ("Trian Management") serves as the management company for Trian Partners, L.P., Trian Partners Master Fund, L.P., Trian Partners Master Fund (ERISA), L.P., Trian Partners Parallel Fund I, L.P., Trian Partners Strategic Investment Fund II,
- (2) L.P., Trian Partners Strategic Investment Fund-A, L.P., Trian Partners Strategic Investment Fund-N, L.P., Trian Partners Strategic Investment Fund-D, L.P., Trian Partners Fund (Sub)-G, L.P., Trian Partners Strategic Fund-G III, L.P., Trian Partners Strategic Fund-K, L.P. (collectively, the "Trian Entities")
 - (FN 2, contd.) and as such determines the investment and voting decisions of the Trian Entities with respect to the shares of the Issuer held by them. Mr. Garden is a member of Trian Fund Management GP, LLC, which is the general partner of Trian Management, and therefore is in a position to determine the investment and voting decisions made by Trian Management on behalf of the Trian Entities.
- (3) Accordingly, Mr. Garden and Trian Management may be deemed to indirectly beneficially own (as that term is defined in Rule 13d-3 under the Securities Exchange Act of 1934) the shares beneficially owned by the Trian Entities. The Reporting Persons disclaim beneficial ownership of such shares except to the extent of their respective pecuniary interests therein and this report shall not be deemed an admission that the Reporting Persons are the beneficial owner of such securities for purposes of Section 16 or for any other purpose.
- The price shown in Column 4 is a weighted average purchase price. The price range for the purchases is \$47.465 to \$47.58. The

 (4) Reporting Persons undertake to provide upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, full information regarding the number of shares purchased at each separate price.
- The price shown in Column 4 is a weighted average purchase price. The price range for the purchases is \$47.39 to \$48.03. The

 (5) Reporting Persons undertake to provide upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, full information regarding the number of shares purchased at each separate price.
 - The price shown in Column 4 is a weighted average purchase price. The price range for the purchases is \$48.04 to \$48.47. The
- (6) Reporting Persons undertake to provide upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, full information regarding the number of shares purchased at each separate price.
 - The price shown in Column 4 is a weighted average purchase price. The price range for the purchases is \$47.68 to \$48.30. The
- (7) Reporting Persons undertake to provide upon request by the staff of the Securities and Exchange Commission, the Issuer or a security holder of the Issuer, full information regarding the number of shares purchased at each separate price.

Remarks:

Commencing on September 21, 2015, Mr. Garden has the right to attend, and participate in, all meetings of the Board of Direct other parties thereto that is included as Exhibit 2 to the Schedule 13D/A filed by Trian Fund Management, L.P. with the Secur Exchange Commission on September 8, 2015.

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.