

PENTAIR plc  
Form SC 13D/A  
June 01, 2018

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

SCHEDULE 13D  
Under the Securities Exchange Act of 1934

(Amendment No. 8)\*

PENTAIR PLC  
(Name of Issuer)

Ordinary Shares, nominal value \$0.01 per share  
(Title of Class of Securities)

G7S00T 104  
(CUSIP Number)

Brian L. Schorr, Esq.  
Trian Fund Management, L.P.  
280 Park Avenue, 41 st Floor  
New York, New York 10017  
Tel. No.: (212) 451-3000

(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

May 30, 2018  
(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The Information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
Nelson Peltz

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
AF

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
United States

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

7 SOLE VOTING POWER  
0

8 SHARED VOTING POWER  
14,001,837

9 SOLE DISPOSITIVE POWER  
0

10 SHARED DISPOSITIVE POWER  
14,001,837

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
14,001,837

12 CHECK BOX IF THE   
AGGREGATE AMOUNT IN ROW

(11) EXCLUDES CERTAIN  
SHARES

PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)

13

7.85%\*

TYPE OF REPORTING PERSON  
IN

14

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\*Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018 (the "Form 10-Q").

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1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
Peter W. May

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
AF

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
United States

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 14,001,837

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10 14,001,837

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
14,001,837

12 CHECK BOX IF THE   
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN

SHARES

PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
7.85%\*

13

TYPE OF REPORTING PERSON  
IN

14

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
Edward P. Garden

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
AF

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
United States

NUMBER OF  
SHARES  
BENEFICIALLY SOLE VOTING POWER  
OWNED BY 7 0  
EACH  
REPORTING  
PERSON WITH

8 SHARED VOTING POWER  
14,001,837

9 SOLE DISPOSITIVE POWER  
0

10 SHARED DISPOSITIVE POWER  
14,001,837

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
14,001,837

12 CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (11) EXCLUDES   
CERTAIN SHARES

13            PERCENT OF CLASS  
              REPRESENTED BY AMOUNT IN  
              ROW (11)  
              7.85%\*

14            TYPE OF REPORTING PERSON  
              IN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Fund Management, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
20-3454182

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
AF

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

|                   |
|-------------------|
| SOLE VOTING POWER |
| 7 0               |

|                     |
|---------------------|
| SHARED VOTING POWER |
| 8 14,001,837        |

|                        |
|------------------------|
| SOLE DISPOSITIVE POWER |
| 9 0                    |

|                          |
|--------------------------|
| SHARED DISPOSITIVE POWER |
| 10 14,001,837            |

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
14,001,837

- 12 CHECK BOX IF THE [ ]  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN  
SHARES
- 13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
7.85%\*
- 14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Fund Management GP, LLC

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
20-3454087

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
AF

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY 7 SOLE VOTING POWER  
EACH 0  
REPORTING  
PERSON WITH

8 SHARED VOTING POWER  
14,001,837

9 SOLE DISPOSITIVE POWER  
0

SHARED DISPOSITIVE POWER  
10 14,001,837

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
14,001,837

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN [ ]  
SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
7.85%\*

14 TYPE OF REPORTING PERSON  
OO

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
20-3453988

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY 7 SOLE VOTING POWER  
EACH 0  
REPORTING  
PERSON WITH

SHARED VOTING POWER  
8 2,572,277

9 SOLE DISPOSITIVE POWER  
0

SHARED DISPOSITIVE POWER  
102,572,277

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
2,572,277

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
1.44%\*

14 TYPE OF REPORTING PERSON  
PN

\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Master Fund, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
98-0468601

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Cayman Islands

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

|                   |
|-------------------|
| SOLE VOTING POWER |
| 7 0               |

|                     |
|---------------------|
| SHARED VOTING POWER |
| 8 4,382,397         |

|                        |
|------------------------|
| SOLE DISPOSITIVE POWER |
| 9 0                    |

|                          |
|--------------------------|
| SHARED DISPOSITIVE POWER |
| 104,382,397              |

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
4,382,397

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
2.46%\*

14 TYPE OF REPORTING PERSON  
PN

\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Parallel Fund I, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
20-3694154

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY SOLE VOTING POWER  
OWNED BY 7 0  
EACH  
REPORTING  
PERSON WITH

SHARED VOTING POWER  
8 334,504

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10334,504

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

334,504

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.19%\*

14 TYPE OF REPORTING PERSON  
PN

\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Investment  
Fund-A, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
27-4180625

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

|                   |
|-------------------|
| SOLE VOTING POWER |
| 7 0               |

|                     |
|---------------------|
| SHARED VOTING POWER |
| 8 2,008,726         |

|                        |
|------------------------|
| SOLE DISPOSITIVE POWER |
| 9 0                    |

|                          |
|--------------------------|
| SHARED DISPOSITIVE POWER |
| 102,008,726              |

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

2,008,726

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
1.13%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Investment  
Fund-N, L.P.

1

S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
80-0958490

2

CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3

SEC USE ONLY

4

SOURCE OF FUNDS  
WC

5

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6

CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 1,438,045

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
101,438,045

11

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
1,438,045

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.81%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Investment  
Fund II, L.P.

1

S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
45-4929803

2

CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3

SEC USE ONLY

4

SOURCE OF FUNDS  
WC

5

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6

CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 902,609

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10 10902,609

11

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
902,609

12 CHECK BOX IF THE [X]  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN  
SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.51%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Triam Partners Strategic Investment  
Fund-D, L.P.

1

S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
98-1108184

2

CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3

SEC USE ONLY

4

SOURCE OF FUNDS  
WC

5

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6

CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Cayman Islands

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 446,245

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10 10446,245

11

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
446,245

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.25%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Fund (Sub)-G, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
90-1035117

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY OWNED BY  
EACH  
REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 142,866

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10 142,866

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
142,866

12 CHECK BOX IF THE [X]  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN  
SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.08%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Fund-G II,  
L.P.

1

S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
46-5509975

2

CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3

SEC USE ONLY

4

SOURCE OF FUNDS  
WC

5

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6

CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES

BENEFICIALLY OWNED BY  
EACH REPORTING  
PERSON WITH

SOLE VOTING POWER  
7 0

SHARED VOTING POWER  
8 422,996

SOLE DISPOSITIVE POWER  
9 0

SHARED DISPOSITIVE POWER  
10 10422,996

11

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

422,996

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN [X]  
SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.24%\*

14 TYPE OF REPORTING PERSON  
PN

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Fund-G III,  
L.P.

1

S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
47-2121971

2

CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3

SEC USE ONLY

4

SOURCE OF FUNDS  
WC

5

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6

CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

7 SOLE VOTING POWER  
0

8 SHARED VOTING POWER  
212,365

9 SOLE DISPOSITIVE POWER  
0

SHARED DISPOSITIVE POWER  
10212,365

11

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
212,365

12 CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  [X]

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.12%\*

14 TYPE OF REPORTING PERSON  
PN

\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

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NAME OF REPORTING PERSON  
Trian Partners Strategic Fund-K, L.P.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
47-5116069

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY 7 SOLE VOTING POWER  
EACH 0  
REPORTING  
PERSON WITH

8 SHARED VOTING POWER  
654,011

9 SOLE DISPOSITIVE POWER  
0

10 SHARED DISPOSITIVE POWER  
654,011

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
654,011

12 CHECK BOX IF THE [X]  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN

SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.37%\*

14 TYPE OF REPORTING PERSON  
PN

---

\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

---

NAME OF REPORTING PERSON  
Trian Partners Strategic Fund-C, Ltd.

1 S.S. OR I.R.S. IDENTIFICATION  
NO. OF ABOVE PERSON  
98-1327448

2 CHECK THE APPROPRIATE BOX (a)   
IF A MEMBER OF A GROUP (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEMS   
2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF  
ORGANIZATION  
Cayman Islands

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY 7 SOLE VOTING POWER  
EACH 0  
REPORTING  
PERSON WITH

8 SHARED VOTING POWER  
472,736

9 SOLE DISPOSITIVE POWER  
0

10 SHARED DISPOSITIVE POWER  
472,736

11 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
472,736

12 CHECK BOX IF THE [X]  
AGGREGATE AMOUNT IN ROW  
(11) EXCLUDES CERTAIN

SHARES

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)  
0.27%\*

14 TYPE OF REPORTING PERSON  
OO

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\* Calculated based on 178,386,369 ordinary shares outstanding as of March 31, 2018, as reported in the Issuer's Form 10-Q.

This Amendment No. 8 ("Amendment No. 8") amends and supplements the Schedule 13D filed with the Securities and Exchange Commission on June 30, 2015 (the "Original Statement"), as amended by Amendment No. 1 filed on July 13, 2015, as amended by Amendment No. 2 filed on July 29, 2015, as amended by Amendment No. 3 filed on September 8, 2015, as amended by Amendment No. 4 filed on February 22, 2016, as amended by Amendment No. 5 filed on May 10, 2016, as amended by Amendment No. 6 filed on May 18, 2017, and as amended by Amendment No. 7 ("Amendment No. 7") filed on May 1, 2018 (as amended, the "Schedule 13D"), relating to the Ordinary Shares, nominal value \$0.01 per share (the "Shares"), of Pentair plc, an Irish public limited company (the "Issuer"). The address of the principal executive office of the Issuer is 43 London Wall, London, EC2M 5TF, United Kingdom.

Capitalized terms not defined herein shall have the meanings ascribed to them in the Schedule 13D. Except as set forth herein, the Schedule 13D is unmodified.

Items 4 and 5 of the Schedule 13D are hereby amended as follows:

#### Item 4. Purpose of Transaction

Item 4 of the Schedule 13D is hereby amended and supplemented by adding the following information:

The sales of Shares by Reporting Persons reported in this Amendment No. 8 were done for portfolio management purposes.

#### Item 5. Interest in Securities of the Issuer

Item 5 of the Schedule 13D is hereby amended and supplemented by adding the following information:

(a) As of 4:00 p.m., New York City time, on June 1, 2018, the Reporting Persons beneficially owned, in the aggregate, 14,001,837 Shares, representing approximately 7.85% of the Issuer's outstanding Shares (calculated based on 178,386,369 Shares outstanding as of March 31, 2018, as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018). Such Shares include an aggregate of 13,736,582 Shares beneficially owned by the Reporting Persons through direct ownership of Shares, representing approximately 7.70% of the Issuer's outstanding Shares, an additional 254,092 Shares underlying the Put/Call Options that are held by Strategic Fund-N, representing approximately 0.14% of the Issuer's outstanding Shares, and an additional 11,163 Shares underlying Director Options held by Mr. Garden which he received in connection with his service on the Issuer's Board of Directors and which are currently exercisable, representing approximately 0.01% of the Issuer's outstanding Shares.

(b) As of 4:00 p.m., New York City time, on June 1, 2018, each of Trian Onshore, Trian Offshore, Parallel Fund I, TPSIF II, Strategic Fund-A, Strategic Fund-N, Strategic Fund-D, Fund G, Strategic Fund-G II, Strategic Fund-G III, Strategic Fund-K, Strategic Fund-C and Trian Management beneficially and directly owns and has sole voting power and sole dispositive power with regard to 2,572,277; 4,382,397; 334,504; 902,609; 2,008,726; 1,438,045; 446,245; 142,866; 422,996; 212,365; 654,011; 472,736 and 897 Shares (including the Shares underlying the Put/Call Options), respectively, except to the extent that other Reporting Persons as described in this Item 5 may be deemed to have shared voting power and shared dispositive power with regard to such Shares. Mr. Garden beneficially owns and has sole voting power and sole dispositive power with regard to 11,163 Shares underlying Director Options, except to the extent that other members of the Trian Group as described in this Item 5 may be deemed to have shared voting power and shared dispositive power with regard to such Shares.

(c) Set forth below is a list of all transactions with respect to the Shares effected subsequent to the filing of Amendment No. 7, inclusive of all transactions effected through 4:00 pm, New York City time, on June 1, 2018. All such transactions were effected in a privately negotiated transaction. The prices set forth in the table do not include commissions.

| <u>Fund</u>                     | <u>Date</u> | <u>Shares</u> | <u>Price</u> | <u>Type</u> |
|---------------------------------|-------------|---------------|--------------|-------------|
| Trian Partners, L.P.            | 5/30/2018   | 98,065        | \$ 44.135    | Sale        |
| Trian Partners Master Fund, L.P | 5/30/2018   | 1,576,935     | \$ 44.135    | Sale        |

[INTENTIONALLY LEFT BLANK]

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SIGNATURE

After reasonable inquiry and to the best of each of the undersigned knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: June 1, 2018

TRIAN FUND  
MANAGEMENT, L.P.  
Trian Fund Management  
By: GP, LLC, its general  
partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN FUND  
MANAGEMENT GP, LLC

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS, L.P.  
Trian Partners GP, L.P.,  
By: its general partner

Trian Partners General  
By: Partner, LLC, its general  
partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
MASTER FUND, L.P.  
Trian Partners GP, L.P.,  
By: its general partner

Trian Partners General  
By: Partner, LLC, its general  
partner

By: /s/ EDWARD P.  
GARDEN

Name: Edward P. Garden

Title: Member

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TRIAN PARTNERS  
PARALLEL FUND I, L.P.  
Trian Partners Parallel  
By: Fund I General Partner,  
LLC, its general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC  
INVESTMENT FUND-A,  
L.P.  
Trian Partners Strategic  
By: Investment Fund-A GP,  
L.P., its general partner

Trian Partners Strategic  
By: Investment Fund-A  
General Partner, LLC, its  
general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC  
INVESTMENT FUND-N,  
L.P.  
Trian Partners Strategic  
By: Investment Fund-N GP,  
L.P., its general partner

Trian Partners Strategic  
By: Investment Fund-N  
General Partner, LLC., its  
general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC  
INVESTMENT FUND II,  
L.P.

By: Trian Partners Strategic  
Investment Fund II GP,  
L.P., its general partner

By: Trian Partners Strategic  
Investment Fund-II  
General Partner, LLC., its  
general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

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TRIAN PARTNERS  
STRATEGIC  
INVESTMENT FUND-D,  
L.P.

Trian Partners Strategic  
By: Investment Fund-D GP,  
L.P., its general partner

Trian Partners Strategic  
Investment Fund-D  
By: General Partner, LLC, its  
general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS FUND  
(SUB)-G, L.P.

Trian Partners Investment  
By: Fund-G GP, L.P., its  
general partner

Trian Partners Investment  
By: Fund-G General Partner,  
LLC, its general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC FUND-G II,  
L.P.

Trian Partners Strategic  
By: Fund-G II GP, L.P., its  
general partner

Trian Partners Strategic  
Fund-G II General  
By: Partner, LLC, its general  
partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member



TRIAN PARTNERS  
STRATEGIC FUND-G III,  
L.P.

Trian Partners Strategic  
By: Fund-G III GP, L.P., its  
general partner

Trian Partners Strategic  
Fund-G III General  
By: Partner, LLC, its general  
partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC FUND-K, L.P.

Trian Partners Strategic  
By: Fund-K GP, L.P., its  
general partner

Trian Partners Strategic  
By: Fund-K General Partner,  
LLC, its general partner

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Member

TRIAN PARTNERS  
STRATEGIC FUND-C,  
LTD.

By: /s/ EDWARD P.  
GARDEN  
Name: Edward P. Garden  
Title: Director

/s/NELSON PELTZ  
Nelson Peltz

/s/PETER W. MAY  
Peter W. May

/s/EDWARD P. GARDEN  
Edward P. Garden

