RUDOLPH TECHNOLOGIES INC

Form 4

January 11, 2016

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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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).

(Print or Type Responses)

1. Name and Address of Reporting Person * MCLAUGHLIN PAUL F

2. Issuer Name and Ticker or Trading Symbol

Issuer

5. Relationship of Reporting Person(s) to

RUDOLPH TECHNOLOGIES INC

(Check all applicable)

[RTEC]

01/08/2016

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

X_ Director Officer (give title

10% Owner Other (specify

C/O RUDOLPH TECHNOLOGIES. INC., ONE RUDOLPH ROAD, PO

(Street)

(State)

BOX 1000

(City)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

FLANDERS, NJ 07836

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

(Zip)

3. 4. Securities Acquired (A) 5. Amount of Transactionr Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

Securities Beneficially Owned Following Reported

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

Ownership Form: Direct (D) or Indirect

(Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

SEC 1474

(9-02)

(A) Code V Amount (D)

Transaction(s) Price

(Instr. 3 and 4)

Common 01/08/2016 \$ 6.8 M 172,000 Α 1,116,990 Stock (1)

Common 01/08/2016 Stock (1)

125,085 F (2)

D 12.03

991,905

D

D

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

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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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying So (Instr. 3 and 4	eci
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	A N Sl
Non-Qualified Stock Option (right to buy)	\$ 6.8	01/08/2016		M	172,000	08/20/2010	08/20/2019	Common Stock	1

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

MCLAUGHLIN PAUL F C/O RUDOLPH TECHNOLOGIES, INC. ONE RUDOLPH ROAD, PO BOX 1000 FLANDERS, NJ 07836



Signatures

/s/ Paul F.

McLaughlin 01/11/2016

**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 option exercises and stock withheld reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 10, 2015.
- (2) Represents shares withheld by Issuer to satisfy obligations to exercise stock options in connection with the stock option grants previously received by the Reporting Person.

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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