

Lucas Donald A
 Form 4
 May 25, 2007

FORM 4

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

OMB APPROVAL

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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)

1. Name and Address of Reporting Person *
 Lucas Donald A

(Last) (First) (Middle)
 2440 SAND HILL RD, SUITE 100
 (Street)

MENLO PARK, CA 94025

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 DEXCOM INC [DXCM]

3. Date of Earliest Transaction (Month/Day/Year)
 05/23/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	05/23/2007		A	2,052 A \$ 7.31	2,666	D	
Common Stock					528,978	I	RWI Ventures I, L.P. ⁽¹⁾

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)	8. Amount or Number of Shares
Non-Qualified Stock Option (Right to Buy)	\$ 7.31	05/23/2007		A	31,890	(2) 05/23/2017	Common Stock	31,890

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lucas Donald A 2440 SAND HILL RD, SUITE 100 MENLO PARK, CA 94025		X		

Signatures

/s/ Donald A.
Lucas

05/23/2007

**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).

- The Reporting Person is a Managing Director of RWI Ventures ("RWI"). As a Managing Director, the Reporting Person shares voting and investment power of the shares held by RWI Ventures I, L.P., which is affiliated with RWI. The Reporting Person disclaims beneficial ownership of these shares except to his pecuniary interest therein.
- (1) and investment power of the shares held by RWI Ventures I, L.P., which is affiliated with RWI. The Reporting Person disclaims beneficial ownership of these shares except to his pecuniary interest therein.
 - (2) The option vests monthly on a pro rata basis over the next 12 months beginning one month after the date of grant which is 5/23/07.
 - (3) Not applicable.

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.