

Gifford Robert K
 Form 4
 May 12, 2010

FORM 4

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

OMB APPROVAL

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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)

1. Name and Address of Reporting Person *
 Gifford Robert K

(Last) (First) (Middle)
 370 WABASHA STREET NORTH
 (Street)

ST. PAUL, MN 55102

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 ECOLAB INC [ECL]

3. Date of Earliest Transaction (Month/Day/Year)
 05/10/2010

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)
 SVP - Global Supply Chain

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 or Price		
Common Stock	05/10/2010		M		\$ 34.075	D	
Common Stock	05/10/2010		F ⁽¹⁾		\$ 48.945	D	
Common Stock	05/10/2010		M		\$ 35.63	D	
Common Stock	05/10/2010		F ⁽¹⁾		\$ 48.945	D	
Common Stock					513.316 ⁽²⁾	I	By Ecolab Savings Plan

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

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(9-02)

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 Securities (Instr. 3 and 4)	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 34.075	05/10/2010		M	37,800	12/07/2006 ⁽³⁾ 12/07/2015	Common Stock	37,800
Stock Option (Right to Buy)	\$ 35.63	05/10/2010		M	11,466	12/03/2009 ⁽³⁾ 12/03/2018	Common Stock	11,466

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Gifford Robert K 370 WABASHA STREET NORTH ST. PAUL, MN 55102			SVP - Global Supply Chain	

Signatures

/s/ David F. Duvick, Attorney-In-Fact for Robert K. Gifford 05/12/2010

**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) Reflects the reporting person's payment of the exercise price and withholding taxes for a stock option issued in accordance with Rule 16b-3 by delivering or withholding shares of Ecolab Common Stock.

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- Number of UNITS in the Ecolab Stock Fund of the Ecolab Savings Plan (401(k) Plan) as of April 30, 2010. Includes 1.729 UNITS
- (2) acquired by the reporting person in the Ecolab Stock Fund of the Ecolab Savings Plan since the date of his last report. (The 513.316 UNITS are the equivalent of approximately 958 shares of the issuer's Common Stock.)

- The option was/will be exercisable, on a cumulative basis, as to one-third of the option shares (excluding any fractional portion less than one share) on each of the first and second anniversaries of the date of grant and as to the remaining shares on the third anniversary of the
- (3) date of grant; provided, however, that if a change in control (as that term is defined in the Ecolab Inc. 2005 Stock Incentive Plan) will occur, then the option, if it has been outstanding for at least six months from the date of grant, will become immediately exercisable in full.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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