Gifford Robert K Form 4 May 12, 2010

FORM 4

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or Washington, D.C. 20549

Expires: January 31, 2005

section 16. SECURITIES

Estimated average burden hours per response... 0.5

Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Gifford Robert K		rting Person *	2. Issuer Name and Ticker or Trading Symbol ECOLAB INC [ECL]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
			(Month/Day/Year)	Director 10% Owner		
370 WABASHA STREET NORTH			05/10/2010	X Officer (give title Other (special below)		
				SVP - Global Supply Chain		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
ST. PAUL, N	MN 55102			_X_ Form filed by One Reporting Person 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 (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) Execution Date, if Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial

(Instr. 3)		any	Code	(Instr. 3, 4	and 5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned Following	Direct (D) or Indirect	Ownership (Instr. 4)
							Reported	(I)	(IIISU: 4)
					(A) or		Transaction(s)	(Instr. 4)	
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	05/10/2010		M	37,800	A	\$ 34.075	46,735	D	
Common						\$			
Stock	05/10/2010		F(1)	30,070	D	48.945	16,665	D	
Common	05/10/2010		M	11,466	٨	\$ 35.63	20 121	D	
Stock	03/10/2010		1V1	11,400	A	\$ 55.05	20,131	D	
Common Stock	05/10/2010		F(1)	9,365	D	\$ 48.945	18,766	D	
Stock .						10.715			

Common			
Common Stock	513.316 <u>(2)</u>	I	Savings
SIUCK			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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SEC 1474 (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 orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisal Expiration Date (Month/Day/Year		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
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	11,460

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gifford Robert K

370 WABASHA STREET NORTH SVP - Global Supply Chain

ST. PAUL, MN 55102

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.

Reporting Owners 2

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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. 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.