Simermeyer Elizabeth A Form 3 May 14, 2018

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

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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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement ECOLAB INC. [ECL] Simermeyer Elizabeth A (Month/Day/Year) 05/03/2018 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 1 ECOLAB PLACE (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person (give title below) (specify below) SAINT PAUL, MNÂ 55102 Form filed by More than One EVP - Global MarCom & Life Sci Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 3,935 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of

information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable Expiration Date (Month/Day/Year)	le and	3. Title and Amount of Securities Underlying Derivative Security		4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
			(Instr. 4)		Price of	Derivative	(Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative	Security:	
					Security	Direct (D)	
						or Indirect	

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				Shares		(I) (Instr. 5)	
Employee Stock Option (Right to Buy)	12/03/2015(1)	12/03/2024	Common Stock	4,735	\$ 107.685	D	Â
Employee Stock Option (Right to Buy)	12/02/2017(2)	12/02/2025	Common Stock	7,691	\$ 119.12	D	Â
Employee Stock Option (Right to Buy)	12/07/2017(1)	12/07/2026	Common Stock	11,917	\$ 117.73	D	Â
Employee Stock Option (Right to Buy)	12/06/2018(1)	12/06/2027	Common Stock	10,364	\$ 137.087	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships				
1 0	Director	10% Owner	Officer	Other	
Simermeyer Elizabeth A 1 ECOLAB PLACE SAINT PAUL, MN 55102	Â	Â	EVP - Global MarCom & Life Sci	Â	

Signatures

/s/ David F. Duvick, as Attorney-in-Fact for Elizabeth A. Simermeyer

05/14/2018

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).
- Option granted under the Ecolab Inc. 2010 Stock Incentive Plan. The option became or becomes 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 option shares on the third anniversary of the date of grant. The date listed is the first anniversary of the date of grant.
- Shares remaining from option granted under the Ecolab Inc. 2010 Stock Incentive Plan. One-half of the option shares (excluding any fractional portion less than one share) became exercisable on the second anniversary of the date of grant and the remaining option shares become exercisable on the third anniversary of the date of grant. The date listed is the second anniversary of the date of grant.

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.

Reporting Owners 2