Koenig Emery N. Form 4 April 17, 2012

FORM 4

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

OMB APPROVAL

OMB 3235-0287 Number:

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

(Print or Type Responses)

1. Name and Address of Reporting Person * Koenig Emery N.

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

Issuer

(Last)

(City)

1(b).

(First)

(Middle)

(Zip)

MOSAIC CO [MOS]

3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year) 04/16/2012

_X__ Director Officer (give title below)

10% Owner Other (specify

C/O THE MOSAIC COMPANY, 3033 CAMPUS DRIVE, SUITE E490

> (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting

Table I. Non Darivotive Securities Acquired Disposed of ar Rangicially Ox

PLYMOUTH, MN 55441

(State)

• • • • • • • • • • • • • • • • • • • •	,	` 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1'	e 1 - Non-L	erivative	Secui	riues Acqu	irea, Disposea oi	, or Beneficiali	y 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. Securi on(A) or D (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	Amount of 6. 7. No ecurities Ownership Indirect Beneficially Form: Direct Benefollowing Indirect (I) (Instruction of the control of the contr	
Common Stock	04/16/2012		Code V	Amount 300	or (D)	Price \$ 50.245	(Instr. 3 and 4)	D	
Common Stock	04/16/2012		P	700	A	\$ 50.25	1,000	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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and A Underlying S (Instr. 3 and	Securities	8. Price of Derivativ Security (Instr. 5)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (1)					(2)	<u>(3)</u>	Common Stock	1,381	
Restricted Stock Units	\$ 0 (1)					<u>(4)</u>	(3)	Common Stock	2,908	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Koenig Emery N. C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441	X					

Signatures

/s/Richard L. Mack, Attorney-in-Fact for Emery N.
Koenig 04/17/2012

**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) One-for-One
- (2) The restricted stock units vest on October 7, 2011. Vested shares will be delivered to the reporting person on October 7, 2013.
- (3) Not Applicable
- (4) The restricted stock units vest on October 6, 2012. Vested shares will be delivered to the reporting person on October 6, 2014. Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Reporting Owners 2

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