MOSAIC CO Form 4 May 16, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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

may continue.

See Instruction

Check this box

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(b).

1. Name and Address of Reporting Person * Popowich James L.

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(First) (Middle) (Last)

MOSAIC CO [MOS] 3. Date of Earliest Transaction

(Check all applicable)

C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

(Month/Day/Year)

05/15/2014

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

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

PLYMOUTH, MN 55441

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Ownership Indirect (I) (Instr. 4) (Instr. 4)

(A) or

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

8,145 D

Common Stock

(City)

1. Title of

Security

(Instr. 3)

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

(Month/Day/Year)

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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)

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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. Number on 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)		8. F Der Sec (Ins
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (2)					(3)	<u>(1)</u>	Common Stock	2,908	
Restricted Stock Units	\$ 0 (2)					<u>(4)</u>	<u>(1)</u>	Common Stock	2,813	
Restricted Stock Units	\$ 0 (2)					(5)	<u>(1)</u>	Common Stock	1,997	
Restricted Stock Units	\$ 0 (2)	05/15/2014		A	3,144	<u>(6)</u>	<u>(1)</u>	Common Stock	3,144	

Reporting Owners

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

Signatures

/s/ Richard L. Mack, Attorney-in-Fact for James L. Popowich 05/16/2014

**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) Not applicable.
- (2) One-for-One
- (3) The restricted stock units vested on October 6, 2012. Vested shares will be delivered to the reporting person on October 6, 2014.

Reporting Owners 2

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- (4) The restricted stock units vested on October 4, 2013. Vested shares will be delivered to the reporting person on October 4, 2015.
- (5) The restricted stock units vested on May 15, 2014. Vested shares will be delivered to the reporting person on October 3, 2016.
- (6) The restricted stock units will vest on the date of the issuer's 2015 Annual Meeting of Stockholders. Vested shares will be delivered to the reporting person on May 15, 2017.

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.