MOSAIC CO Form 4 August 01, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

0.5

January 31, Expires:

2005 Estimated average burden hours per

10% Owner

Other (specify

response...

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).

(Last)

1. Name and Address of Reporting Person * MONAHAN WILLIAM T

(First)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

(Middle)

MOSAIC CO [MOS] 3. Date of Earliest Transaction

(Month/Day/Year)

08/01/2008

(Check all applicable)

C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

6. Individual or Joint/Group Filing(Check

Applicable Line)

X_ Director

Officer (give title

(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

(Month/Day/Year)

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

D

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

PLYMOUTH, MN 55441

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

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

5. Amount of Securities Beneficially Owned Following

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

Reported (A) Transaction(s)

or (Instr. 3 and 4) Price

Code V Amount (D)

Common Stock

(Instr. 3)

08/01/2008

\$0 M 3,470 Α 13,922

Reminder: Report on a separate line for each class of securities beneficially 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.

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)	Secu Acqu (A) o Disp (D)	orities uired or osed of r. 3, 4,	Expiration Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. I Der Sec (Ins
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (1)	08/01/2008		M		3,470	08/01/2008	(2)	Common Stock	3,470	
Restricted Stock Units	\$ 0 (1)						08/04/2009	(2)	Common Stock	4,207	
Restricted Stock Units	\$ 0 (1)						08/02/2010	(2)	Common Stock	1,624	

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MONAHAN WILLIAM T							
C/O THE MOSAIC COMPANY	X						
3033 CAMPUS DRIVE, SUITE E490	Λ						

Signatures

PLYMOUTH, MN 55441

s/Richard L. Mack, Attorney-in-Fact for William T. 08/01/2008 Monahan

> **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) Not applicable

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.

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