MOSAIC CO Form 4 October 14, 2008

FORM 4

Check this box

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Form 5

obligations

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

(First) (Middle) (Last)

(Street)

(State)

MOSAIC CO [MOS] 3. Date of Earliest Transaction

(Month/Day/Year)

10/09/2008

(Check all applicable) X_ Director 10% Owner

Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

4. If Amendment, Date Original

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

Officer (give title

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 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Zip)

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

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Ownership Owned Indirect (I) Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

13,922 D

Common Stock

(City)

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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 Exerci Expiration Date (Month/Day/Y	te	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)					08/04/2009	(2)	Common Stock	4,207	
Restricted Stock Units	\$ 0 (1)					08/02/2010	(2)	Common Stock	1,624	
Restricted Stock Units	\$ 0 (1)	10/09/2008		A	2,327	10/09/2011	(2)	Common Stock	2,327	

Reporting Owners

Reporting Owner Name / Address	Relationships					
• 9	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. 10/14/2008 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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