SEIBERT STEVEN M

Form 4

January 16, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

January 31, Expires: 2005

OMB APPROVAL

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Other (specify

if no longer subject to Section 16. Form 4 or

Check this box

Form 5 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

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * SEIBERT STEVEN M

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

MOSAIC CO [MOS]

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

01/14/2008

X_ Director 10% Owner

Officer (give title

(Check all applicable)

C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

PLYMOUTH, MN 55441

(City)	(State)	Tab	le I - Non-	Derivativ	e Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Secur	ities A	cquired (A)	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	omr Dispo	sed of	(D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(4)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	01/14/2008		S(3)	835	D	\$ 103.177	2,617	D	

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

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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8. Price Derivat Securit (Instr. 5

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. 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	\$ 0 (1)					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

Deletionship

Reporting Owners

Reporting Owner Name / Address	Keiationsinps					
	Director	10% Owner	Officer	Other		

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

X

PLYMOUTH, MN 55441

Signatures

s/Richard L. Mack, Attorney in fact for Steven M.
Seibert 01/16/2008

**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
- (3) Shares sold to cover taxes payable by Mr. Seibert as a result of the vesting of 3,452 restricted stock units on November 30, 2007.

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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