Corrigan Fredric W Form 4 October 10, 2006

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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).

(Print or Type Responses)

1. Name and Address of Reporting Person * Corrigan Fredric W

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

Chief Executive Officer

Issuer

(Last)

(City)

(First)

(State)

(Middle)

(Zip)

3. Date of Earliest Transaction

_X__ Director 10% Owner

3033 CAMPUS DRIVE, SUITE

E490

(Month/Day/Year)

MOSAIC CO [MOS]

10/06/2006

Other (specify X_ Officer (give title below) below)

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

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

PLYMOUTH, MN 55441

1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or

(Instr. 3 and 4)

Code V Amount (D) Price

Common Stock

15,000 D

Common Stock

250 I by spouse

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. Transacti Code (Instr. 8)	5. Number or Derivative Securities Acquired (A or Disposed (D) (Instr. 3, 4, and 5)	A) d of	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securition (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou Numb Shares
Restricted Stock Units	\$ 0 (4)						10/29/2008	<u>(1)</u>	Common Stock	86,4
Stock Option (Right to Buy)	\$ 15.04						10/29/2007	10/29/2014	Common Stock	280,
Restricted Stock Units	\$ 0 (4)						08/01/2008	<u>(1)</u>	Common Stock	92,7
Stock Option (Right to Buy)	\$ 17.29						08/01/2006(2)	08/01/2015	Common Stock	278,
Restricted Stock Units	\$ 0 (4)						08/04/2009	<u>(1)</u>	Common Stock	92,0
Stock Option (Right to Buy)	\$ 15.45						08/04/2007(3)	08/04/2016	Common Stock	276,
Restricted Stock Unit	\$ 0 (4)	10/06/2006		A	19,646		10/06/2009	<u>(1)</u>	Common Stock	19,6

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 6	Director	10% Owner	Officer	Other			
Corrigan Fredric W 3033 CAMPUS DRIVE SUITE E490 PLYMOUTH, MN 55441	X		Chief Executive Officer				

Reporting Owners 2

Signatures

s/Richard L. Mack, Attorney in fact for Fredric W. Corrigan

10/10/2006

**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) Vests 33.33% on 8/1/2006, 8/1/2007 and 8/1/2008.
- (3) Vests 33.33% on 8/4/2007, 8/4/2008 and 8/4/2009.
- (4) one-for-one

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.

Signatures 3