O'Rourke James Calvin Form 4 March 12, 2018

FORM 4

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

OMB

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3235-0287 Number: January 31,

2005

OMB APPROVAL

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16.

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Form 4 or 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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading O'Rourke James Calvin Issuer Symbol MOSAIC CO [MOS] (Check all applicable) (First) (Last) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Other (specify X_ Officer (give title C/O THE MOSAIC 03/08/2018 below) COMPANY, 3033 CAMPUS President & CEO DRIVE, SUITE E490 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting PLYMOUTH, MN 55441 Person

(City)	(State)	Zip) Table	e I - Non-D	erivative Securities Ac	quired, Disposed	of, or Beneficia	ally Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	Execution Date, if	3. 4. Securities TransactionAcquired (A) or		5. Amount of Securities	6. Ownership Form: Direct	Indirect
(Instr. 3)		any (Month/Day/Year)	Code (Instr. 8)	Disposed of (D) (Instr. 3, 4 and 5)	Beneficially Owned Following Reported	(D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
			Code V	(A) or Amount (D) Price	Transaction(s) (Instr. 3 and 4)		
Common Stock					3,000	I	Reporting Person's Spouse
Common Stock					112,690	D	

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

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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (\emph{e.g.}, puts, calls, warrants, options, convertible securities) \\ \end{tabular}$

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	Code	5. NumbiorDerivati Securitic Acquire or Dispo (D) (Instr. 3 and 5)	tive ies ed (A) posed of	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 Number Shares
Stock Option (Right to Buy)	\$ 52.72						<u>(1)</u>	07/27/2019	Common Stock	12,019
Stock Option (Right to Buy)	\$ 44.93						<u>(1)</u>	07/27/2020	Common Stock	20,259
Stock Option (Right to Buy)	\$ 70.62						<u>(1)</u>	07/21/2021	Common Stock	16,150
Stock Option (Right to Buy)	\$ 57.62						<u>(1)</u>	07/19/2022	Common Stock	27,681
Stock Option (Right to Buy)	\$ 54.03						<u>(1)</u>	07/18/2023	Common Stock	29,987
Stock Option (Right to Buy)	\$ 49.73						<u>(1)</u>	03/07/2024	Common Stock	33,706
Stock Option (Right to Buy)	\$ 50.43						<u>(1)</u>	03/05/2025	Common Stock	37,306
Restricted Stock Units	\$ 0 (2)						08/05/2018	(3)	Common Stock	22,432
Stock Option (Right to	\$ 28.49						<u>(4)</u>	03/03/2026	Common Stock	179,21

Buy)

Stock

Option (Right to \$30.42 \(\frac{(5)}{\text{Stock}}\) 03/02/2027 \(\frac{\text{Common}}{\text{Stock}}\) 168,18

Buy)

Restricted

Stock \$ 0 (2) 03/08/2018 A 68,401 03/08/2021 (3) Common Stock

Units

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

68,40

O'Rourke James Calvin

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

X President & CEO

PLYMOUTH, MN 55441

Signatures

/s/ Mark J. Isaacson, Attorney-in-Fact for James C. O'Rourke 03/12/2018

**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) This Stock Option is 100% exercisable.
- (2) One-for-One
- (3) Not Applicable
- (4) Grant Date 03/03/2016; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) Grant Date 03/02/2017; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

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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