

O'Rourke James Calvin
 Form 3
 January 09, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â O'Rourke James Calvin | | (Month/Day/Year) | MOSAIC CO [MOS] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| ATRIA CORPORATE | | | (Check all applicable) | |
| CENTER, SUITE E490,Â 3033 | | | _____ Director _____ 10% Owner | |
| CAMPUS DRIVE | | | _X_ Officer _____ Other | |
| (Street) | | | (give title below) (specify below) | |
| PLYMOUTH,Â MNÂ 55441 | | | EVP - Operations | |
| (City) | (State) | (Zip) | 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 Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|--|---|--|
| Common Stock | 0 | D | Â |

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

SEC 1473 (7-02)

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.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|--|---|---|--|
|---|---|--|---|---|--|

Edgar Filing: O'Rourke James Calvin - Form 3

| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|--------------------|-------|
| | Director | 10% Owner | Officer | Other |
| O'Rourke James Calvin ATRIA CORPORATE CENTER, SUITE E490 3033 CAMPUS DRIVE PLYMOUTH, MN 55441 | ^ | ^ | ^ EVP - Operations | ^ |

Signatures

| | |
|---|------------|
| s/Richard L. Mack, Attorney-in-Fact for James C. O'Rourke | 01/09/2009 |
| **Signature of Reporting Person | Date |

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).

^

Remarks:

EXHIBIT 24: Power of Attorney attached

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.