

number.

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. Transaction Code (Instr. 8) | 5. Number of 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 Number Shares |
| Phantom Stock Units | (3) | 05/02/2012 | | I | 20,221.8631 | (3) | (3) | Common Stock | 20,221 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|--------------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| PAIN GEORGE H OLIN CORPORATION 190 CARONDELET PLAZA SUITE 1530 CLAYTON, MO 63105 | | | Sr. VP, Gen. Counsel & Sec. | |

Signatures

/s/T. E. Murphy, Attorney-in-Fact 05/04/2012

__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) Amount includes 3.386 shares held under the Olin Corporation Dividend Reinvestment Plan acquired periodically in transactions since the last Form 4 filing, which are exempt from Section 16(b).
The figure represents shares of Olin Common Stock held under the Olin Common Stock Fund of the Olin Contributing Employee Ownership Plan (CEOP), a tax-conditioned plan reflecting transactions exempt under Rule 16b-3, as reported by the CEOP Plan Administrator as of April 30, 2012.
- (3) Each phantom unit is the economic equivalent of one share of Olin Corporation common stock. Shares are payable following termination of employment and may be transferred by the reporting person into an alternative investment at any time.
- (4) Phantom shares acquired in a multi-fund benefit plan.

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.