

Hennigan Michael J
 Form 4
 December 08, 2006

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
 Hennigan Michael J

2. Issuer Name and Ticker or Trading Symbol
 SUNOCO INC [SUN]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1735 MARKET STREET
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 12/06/2006

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Senior Vice President

PHILADELPHIA, PA 19103-7583
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V Amount (A) or (D) Price | | | |
| Common Stock | 12/06/2006 | | M ⁽¹⁾ | 18,400 A \$ 24.51 | 18,400 | D | |
| Common Stock | 12/06/2006 | | S | 14,748 D \$ 68.7 | 3,652 | D | |
| Common Stock | | | | | 2,682 | I | By Spouse |

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

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SEC 1474 (9-02)

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 Security (Instr. 3 and 4) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Options (Right to buy) | \$ 24.51 | 12/06/2006 | | M ⁽¹⁾ | 18,400 | 12/03/2005 | 12/03/2013 | Common Stock | 18,400 |
| Stock Options (Right to buy) | \$ 68.43 | 12/06/2006 | | A ⁽²⁾ | 12,600 | 12/06/2008 | 12/06/2016 | Common Stock | 12,600 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Hennigan Michael J 1735 MARKET STREET PHILADELPHIA, PA 19103-7583 | | | Senior Vice President | |

Signatures

John J. DiRocco, Jr., Attorney-in-fact for Michael J. Hennigan

 **Signature of Reporting Person
 12/08/2006
 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).

Cash exercise of 18,400 stock options granted in 2003 at an option price of \$24.51 in compliance with Rule 16(b)3 under the Sunoco, Inc.
 (1) Long Term Performance Enhancement Plan II ("LTPEP II") for net of 18,400 shares of Sunoco, Inc. common stock issued to reporting person.

Stock options (rights to buy Sunoco, Inc. common stock) exercisable two years from the date of grant, pursuant to the Sunoco, Inc. Long
 (2) Term Performance Enhancement Plan II (LTPEP II), in a transaction exempt under Rule 16b-3. These stock options were granted with tandem appreciation rights (Limited Rights) that may be exercised for cash only in the event of a change in control of Sunoco, Inc.

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.