

MULHOLLAND PAUL A
 Form 5
 January 20, 2006

FORM 5

**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).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
 MULHOLLAND PAUL A
 (Last) (First) (Middle)

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 Treasurer

1735 MARKET STREET
 (Street)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 12/31/2005

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

6. Individual or Joint/Group Reporting (check applicable line)

PHILADELPHIA, PA 19103-7583

Form Filed by One Reporting Person
 Form Filed by More than One Reporting Person

(City) (State) (Zip)

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)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	12/30/2005	Â	G ⁽¹⁾	80	D	\$ 0 (2)	3,038	D	Â
Common Stock ⁽³⁾	12/30/2005	Â	J ⁽⁴⁾	57	A	\$ 0 (5)	7,095	I	ESOP Trust

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)

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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)	8. Price of Derivative Security (Instr. 5)	9. Price of Underlying Security (Instr. 5)
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Date Exercisable		Expiration Date	Title	Amount or Number of Shares
(A)	(D)			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MULHOLLAND PAUL A 1735 MARKET STREET PHILADELPHIA, PA 19103-7583	Â	Â	Â Treasurer	Â

Signatures

John J. DiRocco, Jr., Attorney-in-fact for Paul A. Mulholland 01/20/2006

__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).
- (3) On August 1, 2005, the common stock of Sunoco, Inc. split 2-for-1, resulting in a doubling of the shares beneficially owned (direct or indirect) by the reporting person.
- (2) Not Applicable
- (1) Gift to 501(c)(3) tax-exempt entity on 12/16/05. Reporting of transaction deferred to Form 5 for fiscal year 2005.
- (5) Price ranged from \$72.70 to \$125.73 during fiscal year 2005. This information is supplied by the Plan Administrator for the Sunoco, Inc. Capital Accumulation Plan.
- (4) Routine, periodic acquisition of share equivalents pursuant to the Sunoco, Inc. Capital Accumulation Plan in transactions exempt under Rule 16(b). This information is supplied by the Plan Administrator.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.