

Hennigan Michael J
Form 4
September 10, 2007

FORM 4

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Hennigan Michael J

(Last) (First) (Middle)

1735 MARKET STREET

(Street)

PHILADELPHIA, PA 19103-7583

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
09/06/2007

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

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

Senior Vice President

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 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	(D)	Price

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

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SEC 1474
(9-02)

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

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. P Deri
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)						(Instr. 9)
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Unit	<u>(1)</u>	09/06/2007	A		5,400		<u>(2)</u>	<u>(2)</u>	Common Stock	5,400
Share Units	<u>(1)</u>	09/07/2007	A		23.523		<u>(2)</u>	<u>(2)</u>	Common Stock	23.523 \$ 7

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

09/10/2007

****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) This Form 4 is being filed to report the grant of a special one-time retention-based common stock units awarded in 2007 pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan II ("LTPEP II") in a transaction exempt under Rule 16b-3. Payout of these common stock units is contingent upon the continued employment of the respective recipient with the Company through each date of vesting from September 6, 2010 through September 6, 2012.

- (2) Not Applicable

- (1) Conversion rate is 1 for 1.

- (4) Total of 6,199,718 Share Units beneficially owned following reported transaction. (23,523 share units under Sunoco, Inc.'s Executive Deferred Compensation Plan).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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