

GRECO ROSEMARIE B
Form 4/A
May 27, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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 *
GRECO ROSEMARIE B

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)
1801 MARKET STREET
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/05/2005

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

PHILADELPHIA, PA 19103-1699
(City) (State) (Zip)

4. If Amendment, Date Original Filed (Month/Day/Year)
05/09/2005

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 Ownership (Instr. 4)		
				(A) or (D)	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 (Instr. 3)	2. Conversion or Exercise Price of	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	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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Derivative Security			Disposed of (D)		Date Exercisable	Expiration Date	Title	Amount Number Shares		
			(Instr. 3, 4, and 5)							
			Code	V	(A)	(D)				
Deferred Share Units	(1)	05/05/2005	A	(2)	275.416	(3)	08/08/1988	08/08/1988	Common Stock	275.41
Phantom Stock Units	(1)	05/05/2005	J	(5)	407	(6)	08/08/1988	08/08/1988	Common Stock	407

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GRECO ROSEMARIE B 1801 MARKET STREET PHILADELPHIA, PA 19103-1699			X	

Signatures

John J. DiRocco, Jr., Attorney-in-fact for Rosemarie B. Greco
 Signature: _____ Date: 05/27/2005

**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).
- (7) Total of 9,077.014 share units beneficially owned following reported transaction.
- (4) Total of 4,370.088 restricted share units beneficially owned following reported transaction.
- (2) Yearly election credit credited as Restricted Share Units acquired pursuant to the Sunoco, Inc. Directors' Deferred Compensation Plan, in transaction exempt under Rule 16b-3(d).
 This amendment is being filed to correct the number of share units representing voluntary deferred compensation pursuant to the Sunoco, Inc. Directors' Deferred Compensation Plan, in transactions exempt under Rule 16b-3(d)(1). The correct number of phantom stock units acquired is 407 at \$98.20 per unit and not the previously reported 465 at \$98.56 per unit. The conversion rate is 1 for 1.
- (3) This amendment is being filed to correct the number of Restricted Share Units acquired pursuant to the Sunoco, Inc. Directors' Deferred Compensation Plan, in transaction exempt under Rule 16b-3(d). The correct number of restricted share units acquired is 275.416 and not the previously reported 220.333. The conversion rate is 1 for 1.
- (5) Crediting of share units representing voluntary deferred compensation pursuant to the Sunoco, Inc. Directors' Deferred Compensation Plan, in transactions exempt under Rule 16b-3(d)(1)
- (1) The conversion rate is 1 for 1.

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.