

Elsenhans Lynn Laverty
 Form 4
 March 13, 2012

FORM 4

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

OMB APPROVAL

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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 *
 Elsenhans Lynn Laverty

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)
 1818 MARKET STREET, SUITE 1500
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 03/09/2012

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

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	03/09/2012		M	20,063	A \$ 0	109,091	D
Common Stock	03/09/2012		F(1)	8,486	D \$ 39.42	100,605	D

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)

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. P
Common Stock Unit (2)	(3)	03/09/2012		M	20,063	(4) (4)	Common Stock	20,063

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Elsenhans Lynn Laverty 1818 MARKET STREET SUITE 1500 PHILADELPHIA, PA 19103-7583	X		Chairman	

Signatures

/s/ John J. DiRocco, Jr.,
Attorney-in-Fact
Date: 03/13/2012

**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).
 - Vesting and payout of 20,063 restricted common stock units, awarded in March 2011 pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan III ("LTPEPIII"), for net of 11,577 shares of Sunoco, Inc. common stock issued to reporting person (8,486 shares used for tax withholding obligation).
 - Award of restricted common stock units pursuant to the Sunoco, Inc. LTPEPIII in a transaction exempt under Rule 16b-3. These restricted common stock units vest ratably in increments of one-third at the end of each of three annual vesting cycles. Incremental settlement is contingent only upon the continued employment of reporting person with the Company through the end of each annual vesting cycle.
 - Conversion rate is 1 for 1.
 - Not Applicable

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.