Elsenhans Lynn Laverty Form 5 February 14, 2012

FORM 5

OMB APPROVAL

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

OMB 3235-0362 Number: January 31,

2005

1.0

no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box if

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response...

Expires:

may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person * Elsenhans Lynn Laverty

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

SUNOCO INC [SUN]

(Check all applicable)

(Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended

X Director 10% Owner

(Month/Day/Year) 12/31/2011

_X__ Officer (give title below)

Other (specify below)

1818 MARKET STREET, SUITE 1500

4. If Amendment, Date Original

6. Individual or Joint/Group Reporting

Filed(Month/Day/Year)

(check applicable line)

CEO/President

PHILADELPHIA, Â PAÂ 19103-7583

(Street)

X 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 2A. Deemed (Month/Day/Year) Execution Date, if

3. Transaction Code (Month/Day/Year) (Instr. 8)

4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year

6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

or

Amount (D) Price

(A)

(Instr. 3 and 4)

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

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SEC 2270 (9-02)

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

Derivative Security	Conversion or Exercise	3. Transaction Date (Month/Day/Year)	Execution Date, if any	Code	Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)		

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Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Expiration Title (A) (D) Date Amount Exercisable Date or Number of Shares Deferred Common 13,491 \hat{A} \hat{A} $\frac{(3)}{(3)}$ Share Â 12/30/2011 Â J4 (2) $\hat{A}^{(3)}$ 13,491 Stock Units

Reporting Owners

Reporting Owner Name / Address	Kelationships				
2	Director	10% Owner	Officer	Other	
Elsenhans Lynn Laverty					
1818 MARKET STREET	ÂΧ	â	CEO/President	â	
SUITE 1500	АЛ	A	A CEO/Flesidelli	A	
PHILADELPHIA, PA 19103-7583					

Signatures

/s/ John J. DiRocco, Jr., Attorney-in-Fact

02/14/2012

**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).
- (1) Conversion rate is 1 for 1.
- (2) Routine, quarterly crediting of Share Units and related dividend equivalents, pursuant to the Sunoco, Inc. Executive Involuntary Deferred Compensation Plan in transaction exempt under Rule 16(b).
- (3) Not Applicable
- (4) Price ranged from \$38.54 to \$42.28 during fiscal year 2011.

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.

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