JONES JOHN P III Form 4 March 11, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

Form 4 or Form 5 obligations may continue. See Instruction

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

SECURITIES

burden hours per response... 0.5

1(b).

(Last)

(City)

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * JONES JOHN P III

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

(Zip)

SUNOCO INC [SUN]

(Check all applicable)

1735 MARKET STREET

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

03/10/2010

X_ Director 10% Owner Other (specify Officer (give title

4. If Amendment, Date Original

Filed(Month/Day/Year)

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

below)

PHILADELPHIA, PA 19103-7583

(State)

1.Title of 2. Transaction Date 2A. Deemed Security

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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 Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

5. Number of 4 TransactionDerivative Code Securities (Instr. 8) 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) (Instr. 3, 4, and 5)					
			Code	V (A)	(D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Stock	<u>(1)</u>	03/10/2010	A	82.566	(2)	(2)	Common Stock	82.566
Phantom Stock	<u>(1)</u>	03/10/2010	A	1,175.109	(2)	(2)	Common Stock	1,175.109
Phantom Stock	<u>(1)</u>	03/10/2010	A	1,221	(2)	(2)	Common Stock	1,221
Deferred Share Units	(1)	03/10/2010	A	14.188	(2)	(2)	Common Stock	14.188

D: 1 C(D)

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
JONES JOHN P III						
1735 MARKET STREET	X					
PHILADELPHIA, PA 19103-7583						

Signatures

/s/ Louisa K. Cresson, Attorney-in-Fact

03/11/2010

**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) Not Applicable
- (3) Total of 17,702.227 Phantom Stock Units beneficially owned following reported transaction granted under Sunoco, Inc.'s Directors' Deferred Compensation Plan II.
- (4) Total of 2,630.169 Restricted Share Units benefically owned following reported transaction under Sunoco, Inc.'s Directors' Deferred Compensation Plan II.

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.

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