ROWE JOHN W Form 4

December 14, 2010

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

(Print or Type Responses)

(Last)

(City)

1. Name and Address of Reporting Person * **ROWE JOHN W**

(First) (Middle)

1735 MARKET STREET

(Street)

2. Issuer Name and Ticker or Trading Symbol

SUNOCO INC [SUN]

3. Date of Earliest Transaction

(Month/Day/Year) 12/10/2010

Filed(Month/Day/Year)

4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

PHILADELPHIA, PA 19103-7583 (State)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

(Instr. 3)

(Zip)

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Following 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.

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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 Conversion Security or Exercise

Price of

(Instr. 3)

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)

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

OMB APPROVAL

3235-0287

January 31,

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Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

(Check all applicable)

6. Ownership

Form: Direct

(Instr. 4)

(D) or Indirect Beneficial

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

SEC 1474

(9-02)

Indirect

Issuer

below)

Person

5. Amount of

Securities

Owned

Beneficially

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

X_ Director

Officer (give title

Estimated average

burden hours per

8. Pı Deri Secu (Inst

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	Derivative Security			or Dispose (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>	12/10/2010	A	99.906		(2)	(2)	Common Stock	99.906	\$ 4
Phantom Stock	(1)	12/10/2010	A	844		(2)	(2)	Common Stock	844	\$ 40
Deferred Share Units	<u>(1)</u>	12/10/2010	A	19.832		(2)	(2)	Common Stock	19.832	\$ 40

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
ROWE JOHN W 1735 MARKET STREET PHILADELPHIA, PA 19103-7583	X						

Signatures

/s/ John J. DiRocco, Jr., 12/14/2010 Attorney-in-Fact Date

**Signature of Reporting Person

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
- Total of 26,746.228 Phantom Stock Units beneficially owned following reported transaction. (21.083 Phantom Stock Units under Sunoco,
- (3) Inc.'s Directors' Deferred Compensation Plan I and 78.823 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II.)
- Total of 27,590.228 Phantom Stock Units beneficially owned following reported transaction, granted under Sunoco, Inc.'s Directors' Deferred Compensation Plan II.
- Total of 5,309.272 Restricted Share Units beneficially owned following reported transaction. (5.503 Restricted Share Units under Sunoco, (5) Inc.'s Directors' Deferred Compensation Plan I and 14.329 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation

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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