

FAIRBAIRN URSULA F  
Form 4  
September 14, 2010

**FORM 4**

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

OMB APPROVAL

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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 \*  
FAIRBAIRN URSULA F

(Last) (First) (Middle)  
1735 MARKET STREET  
(Street)

PHILADELPHIA, PA 19103-7583

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
SUNOCO INC [SUN]

3. Date of Earliest Transaction (Month/Day/Year)  
09/10/2010

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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)
Common Stock	09/10/2010		J(1)	969	A \$ 34.849	13,510.676	D

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)**

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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. Price or Value of Underlying Securities (Instr. 3 and 4)
Deferred Share Units	(2)	09/10/2010		A	38.199	(3) (3)	Common Stock	38.199 \$ 3
Phantom Stock	(2)	09/10/2010		A	63.074	(3) (3)	Common Stock	63.074 \$ 3

## Reporting Owners

Reporting Owner Name / Address

Relationships

Director    10% Owner    Officer    Other

FAIRBAIRN URSULA F  
 1735 MARKET STREET  
 PHILADELPHIA, PA 19103-7583

X

## Signatures

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

09/14/2010

\*\*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) Granted pursuant to Rule 16b-3(d)(1).

(2) Conversion rate is 1 for 1.

(3) Not Applicable

(4) Total of 8,912.882 Restricted Share Units beneficially owned following reported transaction (5,091.202 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 3,821.680 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II).

(5) Total of 14,716.887 Phantom Stock Units beneficially owned following reported transaction (11,237.077 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 3,479.810 Phantom Stock Units 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.

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