

FAIRBAIRN URSULA F
Form 4
September 14, 2009

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 *
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)
09/10/2009

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	09/10/2009		J(1)	1,271 A	\$ 26.559	8,716.272	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.	
				Code	(V) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Stock	(2)	09/10/2009		A		(3)	(3)	Common Stock	160.089
Deferred Share Units	(2)	09/10/2009		A		(3)	(3)	Common Stock	96.953

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

09/14/2009

_____*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 14,332.734 Phantom Stock Units beneficially owned following reported transaction (122.236 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 37.853 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II).

(5) Total of 8,680.230 Restricted Share Units beneficially owned following reported transaction (55.381 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 41.572 Restricted Share 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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