FAIRBAIRN URSULA F

Form 4

September 11, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

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obligations may continue.

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

See Instruction 1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * FAIRBAIRN URSULA F

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

(Middle)

SUNOCO INC [SUN] 3. Date of Earliest Transaction

X Director

10% Owner

1735 MARKET STREET

(Month/Day/Year)

09/07/2007

Officer (give title Other (specify below)

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

PHILADELPHIA, PA 19103-7583

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned (I) Ownership Following (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.

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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	2.	3. Transaction Date	3A. Deemed
Derivative	Conversion	(Month/Day/Year)	Execution Date, if
Security	or Exercise		any
(Instr 3)	Price of		(Month/Day/Vear)

4.	5. Number of
Transactio	orDerivative
Code	Securities
(Instr 8)	Δ conired (Δ)

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

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

8. Pı

Deri

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	Derivative Security			or Disposed of (D) (Instr. 3, 4, and 5)						
			Code	V (A) (D)) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Deferred Share Units	<u>(1)</u>	09/07/2007	A	26.	596	<u>(2)</u>	(2)	Common Stock	26.596	\$ 72
Phantom Stock Units	(1)	09/07/2007	A	51.	126	(2)	(2)	Common Stock	51.126	\$ 72

Reporting Owners

Reporting Owner Name / Address	Relationships				
. 0	Director	10% Owner	Officer	Other	
FAIRBAIRN URSULA F 1735 MARKET STREET PHILADELPHIA, PA 19103-7583	X				

Signatures

John J. DiRocco, Jr., Attorney-in-fact for Ursula O. Fairbairn 09/11/2007

**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).
- (2) Not Applicable
- (1) Conversion rate is 1 for 1.
 - Total of 13,474.796 Phantom Stock Units beneficially owned following reported transaction (39.037 Phantom Stock Units under Sunoco,
- (4) Inc.'s Directors' Deferred Compensation Plan I and 12.089 Phanton Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II).
- Total of 7,009.671 Restricted Share Units beneficially owned following reported transaction (17.687 Restricted Share Units under (3) Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 8.909 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. 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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