

FAIRBAIRN URSULA F  
Form 5  
February 12, 2010

**FORM 5**

**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).  
Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
FAIRBAIRN URSULA F  
  
(Last) (First) (Middle)

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

1735 MARKET STREET  
  
(Street)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
12/31/2009

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

6. Individual or Joint/Group Reporting (check applicable line)

PHILADELPHIA, PA 19103-7583

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

(City) (State) (Zip)

**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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	12/31/2009	Â	J4 <sup>(1)</sup>	132.404 A	\$ 0 <u>(2)</u>	10,162.676 D	Â

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

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SEC 2270 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative 2. Conversion 3. Transaction Date (Month/Day/Year) 3A. Deemed Execution Date, if 4. Transaction 5. Number 6. Date Exercisable and Expiration Date 7. Title and Amount of 8. Price of Derivative 9. of

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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	Underlying Securities (Instr. 3 and 4)	Security (Instr. 5)	D
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

### 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  
Date: 02/12/2010

\*\*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) Routine reinvestment of dividends pursuant to the Sunoco, Inc. Shareholder Access & Reinvestment Plan ("SHARP"), in transaction exempt under Rule 16(b). This information is supplied by the Transfer Agent.
- (2) Price is based on a Share Price of \$26.10 (1-year average daily closing market value 01/01/2009 - 12/31/2009) for fiscal year 2009. This information is supplied by the reporting person's Brokerage firm.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.