

MacDonald Brian P
 Form 5
 February 14, 2012

FORM 5

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

OMB APPROVAL

OMB Number: 3235-0362
 Expires: January 31, 2005
 Estimated average burden hours per response... 1.0

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 *
 MacDonald Brian P

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 12/31/2011

Director 10% Owner
 Officer (give title below) Other (specify below)
 SVP & Chief Financial Officer

1818 MARKET STREET, SUITE 1500

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

PHILADELPHIA, PA 19103

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) (A) or (D) Price	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 Indirect Beneficial Ownership (Instr. 4)
---------------------------------	--------------------------------------	--	--------------------------------	---	--	--	---

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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 Security (Instr. 3)	2. Conversion or Exercise Price of	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)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Title and Amount of Derivative Securities (Instr. 3 and 4)
--	------------------------------------	--------------------------------------	--	--------------------------------	---	--	---	---

Derivative Security				or Disposed of (D) (Instr. 3, 4, and 5)	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
	(A)	(D)	(3)							
Deferred Share Units	∆	12/30/2011	∆	J4 (2)	9,332	∆	∆ (3)	∆ (3)	Common Stock	9,332

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

MacDonald Brian P
1818 MARKET STREET
SUITE 1500
PHILADELPHIA, PA 19103

∆ ∆ ∆ SVP & Chief Financial Officer ∆

Signatures

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

02/14/2012

__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) Conversion rate is 1 for 1.
- (2) Routine, quarterly crediting of Share Units and related dividend equivalents, pursuant to the Sunoco, Inc. Executive Involuntary Deferred Compensation Plan in transaction exempt under Rule 16(b).
- (3) Not Applicable
- (4) Price ranged from \$38.54 to \$42.28 during fiscal year 2011.

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.