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 <u>*</u> Colavita Michael J		2. Date of Event RequiringStatement(Month/Day/Year)	^g 3. Issuer Name and Ticker or Trading Symbol SUNOCO INC [SUN]				
(Last)	(First)	(Middle)	03/05/2012	4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)	
1818 MARKET STREET, SUITE 1500				(Check all applicable)			
PHILADEL	(Street) PHIA, PA	19103			Understand with the second sec	ow)	 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person
(City)	(State)	(Zip)	Table I - N	Non-Derivat	ive Securit	ies Be	neficially Owned
1.Title of Secur (Instr. 4)	ity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	*
Common Sto	ock		168 <u>(1)</u>		Ι	ESO	P Trust
Common Sto	ock		4,872		D	Â	
Reminder: Repo			ch class of securities benefic	ially S	EC 1473 (7-02	2)	

owned directly or indirectly.

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	Ownership
		(Instr. 4)	Price of	Derivative	(Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Common Stock Unit	(2)	(2)	Common Stock	1,344 <u>(3)</u>	\$ <u>(4)</u>	D	Â
Common Stock Unit	(2)	(2)	Common Stock	1,990 <u>(5)</u>	\$ <u>(4)</u>	D	Â
Stock Options (Right to Buy)	03/03/2011	03/03/2020	Common Stock	5,300 <u>(6)</u>	\$ 23.46	D	Â
Stock Options (Right to Buy)	12/03/2009	12/03/2018	Common Stock	7,300 <u>(7)</u>	\$ 29.36	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
FB	Director	10% Owner	Officer	Other		
Colavita Michael J 1818 MARKET STREET SUITE 1500 PHILADELPHIA, PA 19103	Â	Â	Vice President & Interim CFO	Â		
Signatures						

/s/ John J. DiRocco, Jr., Attorney-in-Fact	03/05/2012
** Signature of Reporting Person	Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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, periodic acquisition of share equivalents pursuant to the Sunoco, Inc. Capital Accumulation Plan in transactions exempt under Rule 16(b). This information is provided by the Plan Administrator.
- (2) Not Applicable

(3) Restricted common stock units awarded on March 2, 2011 pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan III
 (*LTPEPIII*) in a transaction exempt under Rule 16b-3. These restricted common stock units vest ratably in increments of one-third at the end of each of three annual vesting cycles. Incremental settlement is contingent only upon the continued employment of reporting person with the Company through the end of each annual vesting cycle.

(4) Conversion rate is 1 for 1.

Restricted common stock units awarded on March 3, 2010 pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan II
 (*LTPEP II") in a transaction exempt under Rule 16b-3. Payout of these restricted common stock units is contingent upon the continued employment of the respective recipient with the Company through March 1, 2013.

Stock options (right to buy Sunoco, Inc. common stock) exercisable in one-third installments on the anniversary of the date of grant (i.e. the first installment exercisable on March 3, 2011, the second on March 2, 2012, and the remaining installment exercisable on March 1,

(6) the first installine exercisable on Match 3, 2011, the second on Match 2, 2012, and the remaining installine exercisable on Match 1, 2013), pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan II "LTPEP II"), in a transaction exempt under Rule 16b-3.

(7)

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Stock options (right to buy Sunoco, Inc. common stock) exercisable in one-third installments on the anniversary of the date of grant (i.e. the first installment exercisable on December 3, 2009, the second installment exercisable on December 3, 2010, and the remaining installment exercisable on December 3, 2011), pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan II "LTPEP II"), in a transaction exempt under Rule 16b-3.

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.