GERRITY THOMAS P

Form 4

September 14, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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obligations

Check this box

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

may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **GERRITY THOMAS P**

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

1735 MARKET STREET

SUNOCO INC [SUN]

(Check all applicable)

(Last)

(First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

X_ Director Officer (give title

10% Owner Other (specify

4. If Amendment, Date Original

below)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

09/10/2009

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

PHILADELPHIA, PA 19103-7583

(Street)

(State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

(City)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership

Following (A)

Reported Transaction(s)

or Code V Amount (D) Price

(Instr. 3 and 4)

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

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SEC 1474 (9-02)

(Instr. 4)

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	4.	5. Number of	6. Date Exercisable and	7. Title and Amount of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Date	Underlying Securities
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A) or		

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	Derivative Security			Disposed of (Instr. 3, 4, a 5)					
			Code V	(A)	(D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock	<u>(1)</u>	09/10/2009	A	7.817	(2)	(2)	Common Stock	7.817	\$
Phantom Stock	<u>(1)</u>	09/10/2009	A	1,271	(2)	(2)	Common Stock	1,271	\$
Deferred Share Units	<u>(1)</u>	09/10/2009	A	317.274	<u>(2)</u>	(2)	Common Stock	317.274	\$

Reporting Owners

Reporting Owner Name / Address	Relationships				
. 9	Director	10% Owner	Officer	Other	
GERRITY THOMAS P 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) Conversion rate is 1 for 1.
- (2) Not Applicable
- (3) Total of 1,970.817 Phantom Stock Units beneficially owned following reported transaction under Sunoco, Inc.'s Directors' Deferred Compensation Plan II.
- Total of 28,405.511 Restricted Share Units beneficially owned following reported transaction. (275.702 Restricted Share Units under 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. 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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