Sunstone Hotel Investors, Inc.

Form 4

August 26, 2009

FORM 4

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

OMB Number: 3235-0287

burden hours per

OMB APPROVAL

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

0.5

Form 4 or Form 5 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

response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ALTER ROBERT A			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			Sunstone Hotel Investors, Inc. [SHO]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
			(Month/Day/Year)	X Director 10% Owner			
903 CALLE AMANECER, SUITE 100			12/09/2004	_X_ Officer (give title Other (specify			
				below) below)			
				Executive Chairman			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			
SAN CLEMENTE, CA 92673				_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

		i cisoli								
(City)	(State)	(Zip) Tabl	le I - Non-L	iired, Disposed of	sed 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. 4. Securities Ad Transaction(A) or Disposed Code (Instr. 3, 4 and (Instr. 8)			of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	08/24/2009		S	304,811	D	\$ 6.82 (1)	240,841 (2)	I	By Robert A. Alter Trust	
Common Stock	08/25/2009		S	200,000	D	\$ 6.85 (3)	40,841	I	By Robert A. Alter Trust	
Common Stock	12/09/2004		P(4)	100	A	\$ 19.6	40,941	I	By Robert A. Alter Trust	
Common Stock	01/15/2009		J <u>(5)</u>	13	A	\$0	40,954	I	By Robert A. Alter	

Trust

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Common Stock

153,611 D

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 1474

(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 Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (Instr.	8)	5. nNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code	V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Keiationsnips								
	Director	10% Owner	Officer	Other					
ALTER ROBERT A 903 CALLE AMANECER SUITE 100 SAN CLEMENTE, CA 92673	X		Executive Chairman						

Signatures

s/Robert A.
Alter

**Signature of Reporting Person

08/26/2009

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) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.80 to \$6.87, inclusive. The reporting person undertakes to provide to Sunstone Hotel Investors, Inc., any security holder of Sunstone Hotel

Reporting Owners 2

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Investors, Inc., or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (1) and (3) to this Form 4.

- (2) Includes 67,803 shares previously held by the reporting person directly and 21,902 shares previously held by the reporting person through Management Sub SHP, LLC. Subtracts one share included in prior filings by the reporting person due to rounding of fractional shares.
- (3) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.85 to \$6.90, inclusive.
- (4) To report the indirect acquisition by the reporting person of 100 shares on December 9, 2004, which was inadvertently not previously reported.
- (5) To report the 13 shares paid in connection with a special dividend paid on January 15, 2009 on the shares referenced in note (3), which was inadvertently not previously reported.

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.