Gunton James T. Form 5 February 14, 2013

FORM 5

OMB APPROVAL

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

OMB 3235-0362 Number: January 31,

1.0

no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box if

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Gunton James T. Symbol Cytosorbents Corp [CTSO] (Check all applicable) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) (Middle) (Month/Day/Year) _X_ Director 10% Owner Officer (give title 12/31/2012 Other (specify below) below) 7 DEER PARK DRIVE, SUITE K (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year)

MONMOUTH JUNCTION, NJÂ 08852

(State)

(Zip)

(City)

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

(check applicable line)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 6. Ownership 7. Nature of 5. Amount of Security (Month/Day/Year) Execution Date, if Transaction Acquired (A) or Securities Form: Direct Indirect (Instr. 3) Disposed of (D) Beneficially Beneficial Code (D) or (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership of Issuer's (Instr. 4) (Instr. 4) (A) Fiscal Year or (Instr. 3 and 4) Amount (D) Price

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

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(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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)		4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Am Underlying Sec (Instr. 3 and 4)
(Instr. 3)	Price of Derivative		(Month/Day/Year)		Acquired (A) or Disposed of (D)	(Monda Day/ Tear)	(msu. 3 and 4)

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	Security			(Instr. 3, 4, and 5)						
					(A)	(D)	Date Exercisable	Expiration Date	Title	A N Sl
Stock Options	\$ 0.165	01/18/2012	Â	A4	108,000	Â	01/18/2012	01/18/2022	Common Stock, par value \$0.001 per share	
Stock Options	\$ 0.166	01/01/2010	Â	A4	108,000	Â	01/01/2010	01/01/2020	Common Stock, par value \$0.001 per share	
Stock Options	\$ 0.154	03/31/2010	Â	A4	2,000	Â	03/31/2010	03/31/2020	Common Stock, par value \$0.001 per share	
Stock Options	\$ 0.134	12/31/2010	Â	A4	102,000	Â	12/31/2010	12/31/2020	Common Stock, par value \$0.001 per share	
Stock Options	\$ 0.09	09/30/2010	Â	A4	2,000	Â	09/30/2010	09/30/2020	Common Stock, par value \$0.001 per share	
Stock Options	\$ 0.089	06/30/2010	Â	A4	2,000	Â	06/30/2010	06/30/2020	Common Stock, par value \$0.001 per share	
Series B Convertible Preferred	\$ 0.0362	10/05/2009	Â	C4	2,500	Â	(4)	(5)	Common Stock, par value \$0.001 per share	6

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
	ÂΧ	Â	Â	Â	

Reporting Owners 2

Gunton James T. 7 DEER PARK DRIVE, SUITE K MONMOUTH JUNCTION, NJÂ 08852

Signatures

/s/ James T. 02/14/2013 Gunton

**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).
- These Stock Options are held directly by NJTC Venture Fund SBIC, LP, of which the Reporting Person is a partner. The Reporting Person disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for purposes of Section 16 of the Securities and Exchange Act of 1934, as amended or any other purpose.
- (2) The stock options were issued as compensation for services rendered.
- (3) Includes all of the options to purchase Common Stock by James Gunton, directly and indirectly. These include 15,000 option to purchase Common Stock by Jim Gunton reported on Form 4 filed with the SEC on January 9, 2009.
- (4) Immediately Exercisable.
- (5) Not Applicable

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Remarks:

The Form 4 filed with the SEC on January 9, 2009 incorrectly disclosed that the Stock OptionsÂ

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