## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL									
OMB Number:	3235-0287								
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1. Name and Address of Reporting Person MITCHELL WILLIAM F	2. Issuer Name <b>and</b> Ticker or Trading Symbol ENVIRONMENTAL TECTONICS CORP [ETCC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First) (Middle) C/O ENVIRONMENTAL TECTONICS CORP., 125 JAMESWAY	3. Date of Earliest Transaction (Month/Day/Year) 12/17/2009	X Director 10% Owner  Officer (give title below) (specify below)  President				
(Street) SOUTHAMPTON PA 18966  (City) (State) (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	Individual or Joint/Group Filing     (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One     Reporting Person				

	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)	Transaction Code		4. Secur Acquired Disposed (Instr. 3,	l (A) d of	or (D)	Securities Beneficially Owned	6. Ownership Form: Direct (D)	7. Nature of Indirect Beneficial Ownership		
			Code	V	Amount (A) or (D) Price		Price	Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(Instr. 4)		

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. Transac Code (Instr. 8)		Number of Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		Amount of Underlying		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Option to Purchase	\$ 2.64	12/17/2009		А		11,000		10/26/2010	10/26/2019	Common Stock	11,000	\$ 0	0	D	
Option to Purchase	\$ 2.64	12/17/2009		A		11,000		10/26/2011	10/26/2019	Common Stock	11,000	<b>\$</b> 0	0	D	
Option to Purchase	\$ 2.64	12/17/2009		А		11,000		10/26/2012	10/26/2019	Common Stock	11,000	\$ 0	0	D	

**Explanation of Responses:** 

William F. Mitchell, Sr.

12/21/2009

\*\* Signature of Reporting

Date

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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

<sup>\*</sup> If the form is filed by more than one reporting person, see Instruction 4(b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).