LEXARIA CORP.

Form 4

December 22, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

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if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

SECURITIES 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. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * DEMARTINI DAVID			2. Issuer Name and Ticker or Trading Symbol LEXARIA CORP. [LXRP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
11714 SPRIGGS WAY			(Month/Day/Year) 11/19/2010	X Director 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)		
HOUSTON, TX 77024			Thed(Monas Day, Teat)	_X_Form filed by One Reporting PersonForm filed by More than One Reporting Person		

(City)	(State) (Zip) Table	e I - Non-D	erivative S	ecuri	ties Acq	uired, Disposed o	of, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common			Code V	Amount	or (D)	Price	(Instr. 3 and 4) 1,625,000	D	
Stock							1,023,000	D	
Common Stock	12/13/2010		X	50,000	A	\$ 0.22	1,675,000	D	

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

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

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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. Transacti Code (Instr. 8)	5. Number of of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying So (Instr. 3 and 4
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Warrant	\$ 0.2			Couc ,	(71)	(2)	07/10/2009	07/11/2011	common stock
Warrant	\$ 0.22 (1)						12/24/2009	12/24/2010	common stock
Warrant	\$ 0.22	12/13/2010		X		50,000	12/13/2010	12/24/2010	common stock
Stock Option	\$ 0.2						07/08/2009	07/20/2011	common stock
Stock Option	\$ 0.2						01/20/2010	01/20/2015	common stock
Convertible Debenture	\$ 0.4	11/30/2010		P	142,857		11/30/2010	11/30/2011	unit <u>(2)</u>

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
DEMARTINI DAVID 11714 SPRIGGS WAY HOUSTON, TX 77024	X							

Signatures

Reporting Person

/s/ David
DeMartini

**Signature of 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) Canadian Dollars

Convertible at US\$0.35 into Units, each Unit is comprised of one common share and a share purchase warrant. Each Warrant will be exercisable at US\$0.40 per common share from the earlier of (1) the Maturity Date or (2) one year after the conversion of the Debenture, plus US\$0.40 valid to buy one common share, for a period of time of up to one year after the conversion of the debenture.

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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