

OMB APPROVAL	
OMB Number:	3235-0287
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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 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <u>BREWER RICHARD B</u>  (Last) (First) (Middle) <u>C/O NILE THERAPEUTICS, INC.</u> <u>4 WEST 4TH AVENUE, SUITE 400</u>  (Street) <u>SAN MATEO CA 94402</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Nile Therapeutics, Inc. [ NLTX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive Chairman</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/30/2012</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	03/30/2012		P		125,000	A	(1)	125,000	D	

**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. Transaction Code (Instr. 8)		5. Number 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 Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Option (Right to Buy)	\$0.32							07/21/2010	07/21/2020	Common Stock	450,000	450,000	D	
Stock Option (Right to Buy)	\$0.37							(2)	07/26/2020	Common Stock	900,000	900,000	D	
Warrant (Right to Buy)	\$0.5	03/30/2012		P		93,750		(3)	(3)	Common Stock	93,750	\$0 <sup>(1)</sup>	93,750	D

**Explanation of Responses:**

- The reported securities were purchased by the Reporting Person at an aggregate price of \$0.40 for one share of common stock and three-fourths of a warrant to purchase one share of common stock.
- This option vests in eight equal quarterly installments beginning 9/30/2011.
- The warrants are exercisable for a period of five years beginning on the earlier of (i) the date on which a registration statement under the Securities Act of 1933, as amended, covering the shares of common stock issuable upon exercise of the warrants and the subsequent resale of such shares is declared effective by the Securities and Exchange Commission, and (ii) one year and one day after issuance.

**Remarks:**

/s/ Daron Evans as Attorney-in-Fact for Richard B. Brewer pursuant to Power of Attorney previously filed. 04/02/2012

\*\* Signature of Reporting Person Date

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

\* 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).

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.