Goetz Frederick J Jr Form 4 February 16, 2011

### FORM 4

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

**OMB APPROVAL** OMB 3235-0287

Issuer

Number: January 31, Expires:

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

2005 Estimated average burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

(Check all applicable)

Section 16. Form 4 or Form 5 obligations may continue. See Instruction

Check this box

if no longer

subject to

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

2. Issuer Name and Ticker or Trading

Lightwave Logic, Inc. [LWGL]

Symbol

1(b).

(Print or Type Responses)

Goetz Frederick J Jr

1. Name and Address of Reporting Person \*

								(Cne	ск ан аррисави	<del>=</del> )		
(Last)	(First)	(Middle)	3. Date of	Earliest Tra	ansaction							
			(Month/D	ay/Year)				X Director	10%	Owner		
121 CONTI	NENTAL		01/24/20					_X_ Officer (giv		er (specify		
DRIVE, SU			01/2 1/2	011				below) below)				
DKI VL, SU	111110							Chief Science Officer				
	(Street)		4. If Ame	ndment, Da	te Original			6. Individual or Joint/Group Filing(Check				
	Filed(Month/Day/Year)						Applicable Line)					
			•	•				_X_ Form filed by One Reporting Person				
NEWARK,	DF 19713							Form filed by More than One Reporting				
TIE WITHIN,	DE 17713							Person				
(City)	(State)	(Zip)	ТоЫ	o I Mon D	animatina (		tion A on	uinad Dianagad a	f on Donoficial	ller Oremad		
` */	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1.Title of	2. Transaction Da	ite 2A. Dee	emed	3.	4. Securit	ies Ac	quired	5. Amount of	6. Ownership	7. Nature of		
Security	(Month/Day/Yea	e) Executi	on Date, if	Transactio	on(A) or Di	sposed	of (D)	Securities	Form: Direct I	Indirect		
(Instr. 3)		any		Code	(Instr. 3,	4 and 5	5)	Beneficially	Beneficial			
		(Month	/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership		
								Following	(Instr. 4)	(Instr. 4)		
					(A)			Reported				
					(A) or			Transaction(s)				
				Code V	Amount	(D)	Price	(Instr. 3 and 4)				
Common				Code v	Amount	(D)	Titte					
Common	01/24/2011			S	11,000	D	\$ 1.5	3,606,667	D			
Stock					,		7 -10	-,,				
Common							Ф					
	01/24/2011			S	3,000	D	Φ 1.40	3,357,667	D			
Stock					,		1.49	, ,				
Common							\$					
	01/25/2011			S	15,980	D	1.45	3,341,687	D			
Stock							1.45					
Common							\$					
Stock	01/26/2011			S	4,020	D	1.45	3,337,667	D			
SIUCK							1.43					
Common	04.10.6.10.04.1			~	4	_	<b>.</b>	2 222 4 67	_			
Stock	01/26/2011			S	15,500	D	\$ 1.5	3,322,167	D			
Stock												

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Common Stock	01/27/2011	S	1,250	D	\$ 1.5 3,320,917	D
Common Stock	02/01/2011	S	6,000	D	\$ 1.5 3,314,917	D
Common Stock	02/04/2011	S	8,635	D	\$ 3,306,282	D
Common Stock	02/09/2011	S	243	D	\$ 3,306,039	D
Common Stock	02/11/2011	S			\$ 3,300,682	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)	4. Transactic Code (Instr. 8)	of Derivative Securities Acquired (A) or		ate	7. Title Amount Underly Securiti (Instr. 3	t of ying es	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo
				Disposed						Trans
				of (D)						(Instr
				(Instr. 3, 4, and 5)						
				.,			Δ	Amount		
					Date Exercisable	Expiration Date	Title N	Number		
			Code V	(A) (D)			S	Shares		

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Goetz Frederick J Jr							
121 CONTINENTAL DRIVE	X		Chief Seignes Officer				
SUITE 110	Λ		Chief Science Officer				
NEWARK, DE 19713							

Reporting Owners 2

# **Signatures**

/s/Frederick J. 02/16/2011 Goetz, Jr.

\*\*Signature of Reporting 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).

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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