NANOGEN INC Form 4 August 02, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number: January 31, Expires:

OMB APPROVAL

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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

(Print or Type Responses)

07/29/2005

Stock

1(b).

1. Name and Address of Reporting Person * LIDGARD GRAHAM PETER			2. Issuer Name and Ticker or Trading Symbol			g	5. Relationship of Reporting Person(s) to Issuer			
			NANO	GEN INC	[NGEN]			(Chec	k all applicable)
(Last)	(First)	(Middle)	3. Date of	f Earliest Tr	ansaction					
10398 PAC	IFIC CENTER (CT.	(Month/E 07/29/2	•				DirectorX Officer (give below) Sr. V		Owner r (specify
(Street)			4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check		
SAN DIEG	O, CA 92121		Filed(Mor	nth/Day/Year)			Applicable Line) _X_ Form filed by 0	•	rson
(City)	(State)	(Zip)	Tabl	e I - Non-D	erivative S	Securi	ties Acqu	uired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)) Execution any		3. Transactic Code (Instr. 8)	4. Securiti or(A) or Dis (Instr. 3, 4	posed	of (D) Frice	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 Indirect Beneficial Ownership (Instr. 4)
Common	07/00/0005				25,000		\$	27.000	ъ	

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

Α

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

27,000

0.001

D

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

(1)

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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. 5. Number of TransactionDerivative Code Securities (Month/Day/Yea (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title and Ar Underlying Se (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title I
Incentive Stock Option	\$ 4.7					01/29/2005	07/29/2014	Common Stock
Non-Qualified Stock Option	\$ 4.7					01/29/2005	07/29/2014	Common Stock
Incentive Stock Option	\$ 1.72					01/14/2004	01/14/2013	Common Stock
Incentive Stock Option	\$ 3.45					01/18/2004	07/18/2013	Common Stock
Non-Qualified Stock Option	\$ 1.72					01/14/2004	01/14/2013	Common Stock
Non-Qualified Stock Option	\$ 3.45					01/18/2004	07/18/2013	Common Stock
Incentive Stock Option	\$ 4.4	07/29/2005		A	10,938	01/29/2006(2)	07/29/2015	Common Stock
Non-Qualified Stock Option	\$ 4.4	07/29/2005		A	26,562	01/29/2006(2)	07/29/2015	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
LIDGARD GRAHAM PETER							
10398 PACIFIC CENTER CT.			Sr. VP R&D, CTO				
SAN DIEGO, CA 92121							

Signatures

/S/ Graham Lidgard	08/02/2003		
**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).

Reporting Owners 2

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- (1) Shares subject to a Restricted Stock Unit award which vest and become issuable on July 29, 2007
- (2) Option vests ratably on a monthly basis over a 2 year period beginning 6 months from date of grant with continued service.

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.