FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

wasnington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

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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* SMITH JOHN ALEXANDER						2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]											tionship of Reporting all applicable) Director		g Per	10% Ov	vner
(Last) (First) (Middle) 2 TECH DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 03/02/2009										X	Officer (give title below) V.P. & Chief T			Other (s below) h Officer	specify
(Street) ANDOVER MA 01810 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Fil Line) X Form filed by One Reference for filed by More the Person											e Rep	orting Perso	n		
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																					
Date					. Transaction Date Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Co	Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				4 and Securiti Benefic		ies Fo ially (D) Following (I)		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Со	de \	/	Amount		(A) or (D)	Pric	е	Transac (Instr. 3	tion(s)			(111511.4)
Common Stock 03/0					2/2009				N	1		3,156	6	A		50	3,156			D	
Common Stock 03/02/					2/2009	/2009				5		1,003	3 D		\$1	1.89	2,153			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. Deeme Execution if any (Month/Da	Date,		ransaction Code (Instr.		n of E		Date Exercisal xpiration Date Month/Day/Year)			Amo Secu Und Deri	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se (Ir	Price of erivative ecurity estr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)
					Code	v	(A)	(D)	Date Exerci	sable		xpiration ate	Title		Amou or Numb of Share	er					
Restricted	(1)	03/02/2009			M			3,156	(2			(2)		nmon	3,15	6	\$ <mark>0</mark>	13,156		D	

Explanation of Responses:

- $1. \ Each \ restricted \ stock \ unit \ represents \ the \ contingent \ right \ to \ receive \ one \ share \ of \ common \ stock \ of \ MKS \ Instruments, \ Inc.$
- 2. One half of RSUs shall vest in equal annual installments over three years, and the other half shall be subject to the achievement of performance criteria, and thereafter shall vest in equal annual installments over three years.

/s/Renee M. Donlan POA

03/04/2009

** 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.