FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

ngton, D.C. 20549	OMB APPROVA

OMB APPROVAL

OMB Number: 3235-0287

Estimated average burden

0.5

hours per response:

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b)

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* BAGSHAW SETH H					2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]									5. Relationship of Reporting Person(s) to Iss (Check all applicable) Director 10% C					
													X	Officer (g	jive title		Other (s		
(Last)	(F	[3	3. Date of Earliest Transaction (Month/Day/Year)									below)	,			·			
C/O MKS 2 TECH DRIVE, SUITE 201					02/23/2012									Vice President, CFO, Treasurer					
(Street)					4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
ANDOVER MA 01810														Form filed by One Reporting Person					
(City) (State) (Zip)														Form filed by More than One Reporting Pers				ng Person	
		T	able I - Non-D	Deriva	tive S	Securitie	s Ac	quired,	Dis	posed o	of, or B	enefici	ally (Dwned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/L				ite	action 2A. Deemed Execution Date if any (Month/Day/Ye			Transaction Dispo			rities Acquired (A) o ed Of (D) (Instr. 3, 4 a		and 5) Securities Beneficially Owned Fol		Fori		Direct I Indirect E tr. 4)	7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount (A) or (D)		or Pri	ce	Reported Transaction(s) (Instr. 3 and 4)		.		nstr. 4)	
			Table II - De			curities Ills, warr								wned					
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 Ex Expiration (Month/Da	Date		nd 7. Title and Amou Securities Underl Derivative Securit (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction	e es ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisab	le D	xpiration ate	Title	Amour Number Shares	er of		(Instr. 4)	.1011(5)			
Restricted Stock Unit	(1)	02/23/2012		A		9,535.919		(2)		(2)	Common Stock	9,535	5.919	(1)	25,129	.257	D		
Restricted Stock Unit	(1)	02/23/2012		A		6,357.279		(3)		(3)	Common Stock	6,357	.279	(1)	22,419	.504	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. These RSUs are subject to the achievement of performance criteria determined in the first year of the grant and thereafter vests in equal annual installments over three years.
- 3. The RSUs vest in equal annual installments over three years

/s/Renee M. Donlan POA 02/24/2012

** 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.