Common Stock

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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-028								

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 or Section 30(h) of the Investm								ities Exchange ompany Act of	e Act of 1 f 1940	934	ll ll	ırs per response:	0.5
1. Name and Address of Reporting Person* Petrarca Mark A (Last) (First) (Middle) A. O. SMITH CORPORATION 11270 WEST PARK PLACE					uer Name and Tick ITH A O CO te of Earliest Trans 0/2012	<u>RP</u> [.	AOS	<u> </u>		Relationship of Reporting Person(s) to Issuer leck all applicable) Director 10% Owner X Officer (give title Other (specify below) below) Senior Vice Pres H.R. & P.A			
							Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Che Line) X Form filed by One Reporting Form filed by More than One Person						
	Т	able I - N	on-Deriva	tive	Securities Ac	quired	l, Di	sposed of	, or Be	neficially	Owned		
1. Title of Security (Instr. 3)			2. Transacti Date (Month/Day		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (8)		4. Securities Disposed Of Amount			5. Amount of Securities Beneficially Owned Followin 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 Stock		07/20/20	012		M		22,050	A	\$19.003	46,172	D		
Common Stock 07/20/2			07/20/20	012		S		5,500	D	\$51	40,672	D	
Common Stock 07/20/2)12		S		4,612	D	\$51.01	36,060	D		
Common Stock			07/20/20	012		S		2,638	D	\$51.02	33,422	D	
Common Stock			07/20/20)12		S		1,200	D	\$51.03	32,222	D	
Common Stock			07/20/20	012		S		1,400	D	\$51.04	30,822	D	
Common Stock			07/20/20)12		S		1,500	D	\$51.05	29,322	D	
Common Stock			07/20/20)12		S		700	D	\$51.06	28,622	D	
Common Stock 07/20/2)12		S		800	D	\$51.07	27,822	D		
Common Stock			07/20/20	012		S		100	D	\$51.08	27,722	D	

07/20/2012 S 300 D \$51.09 27,422 Common Stock D Common Stock 07/20/2012 S 100 D \$51.0902 27,322 D Common Stock 07/20/2012 S 200 D \$51.1 27,122 D 07/20/2012 S 500 \$51.11 Common Stock D 26,622 D Common Stock 07/20/2012 S 300 D \$51.12 26,322 D 07/20/2012 S 500 D \$51.13 25,822 D Common Stock S 07/20/2012 100 D \$51.14 25,722 D Common Stock S 07/20/2012 100 D \$51.15 25,622 D Common Stock Common Stock 07/20/2012 S 100 D \$51.18 25,522 D Common Stock 07/20/2012 S 100 D \$51.2 25,422 D Common Stock 07/20/2012 S 300 D \$51.21 25,122 D S Common Stock 07/20/2012 100 D \$51.22 25,022 D

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

S

S

S

S

S

200

100

100

300

200

D

D

D

D

D

\$51.24

\$51.25

\$51.31

\$51.32

\$51.33

24,822

24,722

24,622

24,322

24,122

D

D

D

D

D

07/20/2012

07/20/2012

07/20/2012

07/20/2012

07/20/2012

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction	(Month/Day/Year) 3A. Deemed	Transaction Transaction PULES (IRAL)		Securities Acquired (A) or Disposed of (D) (Instr.		Freet Desiredent of, Expiration Date (MATHORASY GA) NVERTII 6. Date Exercisable and		Derivative Security (Instr. 3 and 4) 7. Title and Amount		Original of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Code (8)				Expiration Da (Month/Day/V Date Exercisable		of Securities Underlyint Derivative Security (Instr. 3 an 04) Number of Title Shares		(Instr. 5) Beneficia Owned Following Reported	Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Options (Right to Buy)	\$19.003	07/20/2012		M			22,050	(1)	02/09/2019	Common Stock	22,050	\$0	25,300	D	

Explanation of Responses:

1. The employee stock options wre granted on 02/09/2009 under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The options become exerciable in three annual installments of 1/3 of the award starting on 02/09/2010.

Remarks:

James F. Stern, Attorney-in-07/23/2012 Fact for Mark A. Petrarca

** 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.