Marks Jeffrey Form 4 December 03, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

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January 31, 2005

0.5

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

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

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Marks Jeffrey			Symbol	and Ticker or Trading ARCH CORP [LRCX]	5. Relationship of Reporting Person(s) to Issuer				
			LAW KESEF	INCH CORP [LRCA]	(Check all applicable)				
(Last) (First) (Middle)		(Middle)	3. Date of Earlie	st Transaction					
			(Month/Day/Ye	ar)		10			
4650 CUSHING PARKWAY			12/02/2009		_X_ Officer (give below)	below)	` ' '		
					VP & GM, Clean Business				
(Street)			4. If Amendmen	t, Date Original	6. Individual or Joint/Group Filing(Check				
			Filed(Month/Day	(Year)	Applicable Line)				
					X Form filed by One Reporting Person				
FREMONT, CA 94538					Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - N	on-Derivative Securities Acc	quired, Disposed of	, or Beneficia	ally Owned		
1.Title of	2. Transaction	Date 2A. Deen		4. Securities Acquired		6.	7. Nature		

Tuble 1 Tion Bettiante Securities II							an ea, Disposed of, or Denemenary owned					
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)				cquired d of (D) 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)				
Common Stock	12/02/2009		S	6,403	D	\$ 35.26	0	D				
Common Stock	12/02/2009		S	400	D	\$ 35.265	0	D				
Common Stock	12/02/2009		S	197	D	\$ 35.28	39,747	D				

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

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number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or Number		
						Exercisable	Date		of		
				Code V	(A) (D)				Shares		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Marks Jeffrey

4650 CUSHING PARKWAY VP & GM, Clean Business

FREMONT, CA 94538

Signatures

Kym Hall by Power of Attorney 12/03/2009

**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).

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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