DICCIANI NANCE K

Form 4

August 18, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading DICCIANI NANCE K Issuer Symbol Rockwood Holdings, Inc. [ROC] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Other (specify Officer (give title C/O ROCKWOOD HOLDINGS. 08/17/2011 below) INC., 100 OVERLOOK CENTER 4. If Amendment, Date Original (Street) 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting PRINCETON, NJ 08540 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

		Tuble 1 11011 Delivative Securities required, Disposed of, or Denominary Owned										
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. 4. Securities Acquired (A) Transaction Disposed of (D)				5. Amount of Securities	6. Ownership	7. Nature of Indirect			
(Instr. 3)		any	Code				Beneficially	Form:	Beneficial			
		(Month/Day/Year)	(Instr. 8)			Owned	Direct (D)	Ownership				
							Following	or Indirect	(Instr. 4)			
					(A)		Reported	(I)				
					or		Transaction(s) (Instr. 3 and 4)	(Instr. 4)				
			Code V	Amount	(D)	Price	(Ilisti. 3 and 4)					
Common												
Stock, par						\$						
value	08/17/2011		P	2,000	Α	50.4464	24,056	D				
\$0.01 per			_	_, -,		(1)	,	_				
share						_						
Silaic												

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

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

1. Title of	f 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	e Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	/Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities	S		(Instr.	. 3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date Exercisable	Expiration Date	or Title Numbe			
				C-1- V	(A) (D)				of		
				Code v	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

DICCIANI NANCE K C/O ROCKWOOD HOLDINGS, INC. 100 OVERLOOK CENTER PRINCETON, NJ 08540

X

Signatures

/s/ Michael W. Valente as Attorney-in-Fact

08/18/2011

**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).

This transaction was executed in multiple trades at share prices ranging from \$50.4450 to \$50.4490. The price reported above reflects the (1) weighted average purchase price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer, full information regarding the number of shares and prices at which the transaction was effected.

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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