Monastiere Dominic Form 4 May 27, 2011

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Monastiere Dominic			2. Issuer Name and Ticker or Trading Symbol CHEMICAL FINANCIAL CORP [(CHFC)]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) 235 E. MAI		Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/26/2011					Director 10% Owner Officer (give titleX Other (specify below) Officer of Principle Bus. Unit				
Filed(M				If Amendment, Date Original ed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				
MIDLAND, MI 48640								Person				
(City)	(State)	(Zip)	Tabl	e I - Non-I	Derivative	Secur	rities Acq	uired, Disposed o	f, or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	tion Date 2A. Deemed ay/Year) Execution Date, is any (Month/Day/Year)			3. 4. Securities Acquire Transaction(A) or Disposed of (Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Pri			Beneficially (D) or Benefic Owned Indirect (I) Owners Following (Instr. 4) (Instr. 4 Reported Transaction(s)				
Common Stock	05/26/2011			P	500	A	\$ 18.98	13,534	D			
Common Stock								3,371.827	I (1)	By 401(k) plan		

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Title a		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlyi	ng	Security	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	s	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3 a	and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								A ₁	mount		
								or			
						Date Exercisable	Expiration Date		umber		
								of			
				Code V	(A) (D)			Sh	nares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Monastiere Dominic 235 E. MAIN STREET MIDLAND, MI 48640

Officer of Principle Bus. Unit

Signatures

/s/ Dominic

Monastiere 05/26/2011
**Signature of Reporting 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).
- (1) Between 07/01/2010 and 3/31/2011 the reporting person acquired 96.400 shares of Chemical Financial Corporation common stock under the Chemical Financial Corporation 401(k) Plan.

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.

Reporting Owners 2