Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

CHART INDUSTRIES INC

Form 4

February 24, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB 3235-0287 Number: January 31,

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Expires:

Check this box if no longer subject to

Section 16. 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

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person * **BIEHL MICHAEL F**

2. Issuer Name and Ticker or Trading Symbol

CHART INDUSTRIES INC [GTLS]

5. Relationship of Reporting Person(s) to

Issuer

(First)

(Street)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 02/22/2012

Director 10% Owner Other (specify

(Check all applicable)

_X__ Officer (give title below) Executive VP, CFO & Treasurer

ONE INFINITY CORPORATE CENTRE DRIVE

> 4. If Amendment, Date Original Filed(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

CADEIEI D HEIGHTS OH 44125

GARFIELD HEIGHTS, OH 44125								Person		
	(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secu	rities Acc	quired, Disposed	of, or Benefic	ially Owned
	1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	(Instr. 3,	sposed 4 and (A) or	d of (D) 5)	5. Amount of Securities Beneficially Owned Following 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, par value \$0.01 per share	02/22/2012		Code V	Amount 990 (1)	(D)	Price \$ 62.29	7,712 <u>(2)</u>	D	
	Common Stock, par value \$0.01 per share	02/23/2012		A	9,983 (<u>3)</u>	A	\$ 0	17,695 <u>(2)</u>	D	
	Common Stock, par	02/23/2012		F	3,190 (4)	D	\$ 66.21	14,505 (2)	D	

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value \$0.01 per share

Common			By spouse as Trustee for
Stock, par	26,000	т	the Eileen
value \$0.01 per	26,000	1	M. Biehl
share (5)			Declaration
Situite			of Trust ⁽⁶⁾

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

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 control number.

SEC 1474 (9-02)

> 8. Pri Deriv Secur (Instr

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

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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy) (5)	\$ 30.95					<u>(7)</u>	01/02/2018	Common Stock	1,625
Stock Option (Right to Buy) (5)	\$ 11					(8)	01/02/2019	Common stock	4,875
Stock Option (Right to Buy) (5)	\$ 17.03					<u>(9)</u>	01/04/2020	Common Stock	8,250
Stock Option (Right to	\$ 36.45					(10)	01/03/2021	Common Stock	7,240

Buy) (5)					
Stock Option (Right to Buy) (5)	\$ 55.93	<u>(11)</u>	01/03/2022	Common Stock	5,840
Restricted Stock Unit	\$ 0	(12)	01/03/2015	Common Stock	2,410

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BIEHL MICHAEL F ONE INFINITY CORPORATE CENTRE DRIVE GARFIELD HEIGHTS, OH 44125

Executive VP, CFO & Treasurer

Signatures

/s/ Michael F. Biehl, by Matthew J. Klaben, his attorney-in-fact pursuant to Power of Attorney dated June 30, 2006 on file with the Commission

02/24/2012

**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).
- (1) The reporting person surrendered 990 shares upon vesting of 1/3 of the reporting person's February 22, 2010 restricted stock award, to satisfy tax withholding liabilities, in an exempt transaction under Rule 16b-3.
- 3,098 and 1,894 shares of the total amount beneficially owned were granted on February 22, 2010 and January 3, 2011, respectively, pursuant to restricted stock award agreements under the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt transaction under Rule 16b-3 and remain subject to restriction. The restricted stock awards vest in equal installments on each of the first three anniversaries of the date of grant.
- (3) Represents performance units granted on February 23, 2009 under the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan that have vested and are paid out in shares of common stock.
- (4) The reporting person surrendered 3,190 shares upon vesting of performance units, to satisfy tax withholding liabilities, in an exempt transaction under Rule 16b-3.
- (5) No transaction is being reported on this line. Reported on a previously filed Form 4 or Form 5.
- (6) The reporting person disclaims beneficial ownership of these securities, and the filing of this report is not an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.
- These options were granted on January 2, 2008 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- These options were granted on January 2, 2009 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- These options were granted on January 4, 2010 pursuant to the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.

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- These options were granted on January 3, 2011 pursuant to the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt (10) transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- These options were granted on January 3, 2012 pursuant to the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt (11) transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
 - These securities, which are referred to by the Company as Leveraged Restricted Share Units (LRSUs), were granted on January 3, 2012 pursuant to a Leveraged Restricted Share Unit Agreement under the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt transaction under Rule 16b-3. Shares of Company common stock will be issued following the vesting of the LRSUs on the third
- anniversary of the date of grant. The minimum number of shares of Company common stock that will be issued at payment is 50% of the grant amount of LRSUs, and the maximum number of shares of Company common stock that will be issued at payment is 150% of the grant amount of LRSUs.

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.