ODANIELL MYLES S

Form 4

February 02, 2005

FORM 4

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

OMB Number: 3235-0287

Estimated average

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Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ODANIELL MYLES S			2. Issuer Name and Ticker or Trading Symbol CROMPTON CORP [CK]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
199 BENSON	N ROAD		(Month/Day/Year) 02/01/2005	Director 10% Owner _X Officer (give title Other (specify below) Exec. V.P. Specialty Chemicals		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Che		
MIDDLEBUI	RY, CT 067	49	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) (Instr. 3, 4 and 5) Form: Direct Beneficial Code Beneficially (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Following Indirect (I) (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price Common $J_{\underline{1}}$ 02/01/2005 4,079 A 42,531 D Stock 11.17 Common **ESOP** 1,703.461 I Stock **TRUST** Common $J^{(2)}$ \$0 Ι LTIP Trust 02/01/2005 689 A 25,689 Stock Common J(3)6,421 D Ι 02/01/2005 19,268 LTIP Trust Stock Restricted Common I Stock 13,500 Stock Account

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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 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)	3		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pri Deriv Secun (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
NQ Stock Option (Right to Buy)	\$ 5.85					10/20/2004	11/19/2013	Common Stock	10,812	
NQ Stock Option (Right to Buy)	\$ 11.24					11/23/2005	12/22/2014	Common Stock	35,000	
ISO Stock Option (Right to Buy)	\$ 5.85					10/20/2004	10/19/2013	Common Stock	34,188	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
ODANIELL MYLES S						
199 BENSON ROAD			Exec. V.P. Specialty Chemicals			
MIDDLEBURY, CT 06749						

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Signatures

Myles S. 02/02/2005 Odaniell

**Signature of Date
Reporting Person

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) Direct holdings increased by 4,079 shares transferred from the 2004-2006 Long Term Incentive Plan (LTIP Trust).
- (2) These shares were acquired during the fiscal year pursuant to the 2004-2006 Long Term Incentive Plan and through reinvestment of dividends paid on the shares in this fund.
- (3) 6,421 Shares were distributed to the reporting person in accordance with the 2004-2006 Long Term Incentive Plan (from LTIP Trust) of which 2,342 shares were withheld to satisfy tax withholding requirements.

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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