

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person * VALERIUS STEVEN P (Last) (First) (Middle) 55 WAUGH DRIVE, SUITE 1000 (Street) HOUSTON TX 77007 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol KIRBY CORP [KEX]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Pres. Kirby Inland Marine, LP
	3. Date of Earliest Transaction (Month/Day/Year) 08/29/2006	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$.10 per share	08/29/2006		M		16,000	A	\$12.775	22,818	I	Wife ⁽¹⁾
Common Stock, par value \$.10 per share	08/29/2006		M		12,000	A	\$16.9625	34,818	I	Wife ⁽¹⁾
Common Stock, par value \$.10 per share	08/29/2006		M		5,000	A	\$20.89	39,818	I	Wife ⁽¹⁾
Common Stock, par value \$.10 per share	08/29/2009		M		5,000	A	\$25.69	44,818	I	Wife ⁽¹⁾
Common Stock, par value \$.10 per share								48,124	D	
Common Stock, par value \$.10 per share								1,816	I	401(k) Stock
Common Stock, par value \$.10 per share								1,755 ⁽³⁾	I	401(k) Stock-Wife ⁽²⁾

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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (Right to Buy)	\$12.775	08/29/2006		M		16,000		01/27/2006	08/30/2006	Common Stock	16,000	\$12.775	0	I	Wife ⁽¹⁾
Employee Stock Option (Right to Buy)	\$16.9625	08/29/2006		M		12,000		07/24/2006	08/30/2006	Common Stock	12,000	\$16.9625	0	I	Wife ⁽¹⁾
Employee Stock Option (Right to Buy)	\$20.89	08/29/2006		M		5,000		07/24/2006	08/30/2006	Common Stock	5,000	\$20.89	0	I	Wife ⁽¹⁾
Employee Stock Option (Right to Buy)	\$25.69	08/29/2006		M		5,000		07/24/2006	08/30/2006	Common Stock	5,000	\$25.69	0	I	Wife ⁽¹⁾

Explanation of Responses:

- Shares owned beneficially and of record by Mr. Valerius' wife. Mr. Valerius disclaims ownership of the shares.
- Shares owned beneficially and of record by Mr. Valerius' wife through the Kirby Corporation 401(k) Plan. Mr. Valerius disclaims ownership of the shares.
- Mr. Valerius' wife acquired 99 shares during 2006 pursuant to the Kirby Corporation 401(k) Plan, at prices ranging from \$26.25 to \$40.25, based on information reported on a plan statement dated August 28, 2006. Mr. Valerius disclaims beneficial ownership of the shares.

Remarks:

G. Stephen Holcomb, Agent
and Attorney-in-Fact

08/30/2006

** Signature of Reporting Person

Date

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

* 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.

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 Number.