

FORM 4

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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. Name and Address of Reporting Person* FERRARA ALBERT E JR	2. Issuer Name and Ticker or Trading Symbol AK STEEL HOLDING CORP AKS	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ____ Director <input checked="" type="checkbox"/> Officer (give title below) Vice President Finance and CFO ____ 10% Owner ____ Other (specify below)
(Last) (First) (Middle) 703 CURTIS STREET	3. Date of Earliest Transaction (Month/Day/Year) 1/31/2006	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person ____ Form filed by More than One Reporting Person
(Street) MIDDLETOWN OH 45043	4. If Amendment, Date Original Filed (Month/Day/Year)	
(City) (State) (Zip)	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	1/31/2006		M		1,667	A	\$3.05	54,499	D	
Common Stock	1/31/2006		S		1,000	D	\$11.05	53,499	D	
Common Stock	1/31/2006		S		8,500	D	\$11.04	44,999	D	
Common Stock	1/31/2006		S		500	D	\$11.03	44,499	D	
Common Stock	1/31/2006		S		9,834	D	\$10.96	34,665	D	
Common Stock	1/31/2006		S		400	D	\$10.95	34,265	D	
Common Stock	1/31/2006		S		300	D	\$10.92	33,965	D	
Common Stock	1/31/2006		S		800	D	\$10.94	33,165	D	

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).

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FORM 4 (continued)

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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
								Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
				Code	V	(A)	(D)								
Stock Option	\$2.78	1/31/2006		M			26,667	11/25/2005	11/25/2013	Common Stock	26,667	\$0.0	26,666	D	
Stock Option	\$3.05	1/31/2006		M			1,667	6/1/2005	6/1/2013	Common Stock	1,667	\$0.0	1,666	D	

Explanation of Responses:

** 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.

/s/Albert E. Ferrara, Jr.
** Signature of Reporting Person

1/31/2006
Date

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.