SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF

THE SECURITIES EXCHANGE ACT OF 1934

DATE OF REPORT July 20, 2004

(Date of Earliest Event Reported)

AK STEEL HOLDING CORPORATION

 $(Exact\ name\ of\ registrant\ as\ specified\ in\ its\ charter)$

Commission File No. 1-13696

Delaware (State of Incorporation)

31-1401455 (I.R.S. Employer

Identification No.)

45043 Zip Code

703 Curtis Street, Middletown, OH (Address of principal executive offices)

Registrant s telephone number, including area code: (513) 425-5000

Item 7. Exhibits.

- (c) Exhibit:
 - 99.1 Press release issued July 20, 2004

Item 12. Results of Operations and Financial Condition.

On July 20, 2004, AK Steel Corporation issued a press release, a copy of which is attached hereto as Exhibit No. 99.1 and incorporated by reference herein, announcing the financial results for the second quarter of 2004.

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AK STEEL HOLDING CORPORATION

By: /s/ David C. Horn David C. Horn

Secretary

Dated: July 20, 2004

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EXHIBIT INDEX

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