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 June 1, 2006

(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.)

 703 Curtis Street, Middletown, OH
 45043

 (Address of principal executive offices)
 (Zip Code)

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

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

"Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

" Solicitation material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

"Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

"Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01 <u>Regulation FD Disclosure</u>.

AK Steel Holding Corporation is hereby furnishing the following information under Regulation FD:

On June 1, 2006, 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 that it will modify the health care benefit plans, effective October 1, 2006, for about 4,600 of its current retirees in order to be more cost competitive with other steelmakers, and to be consistent with the company s other retiree health care benefit plans. The 4,600 retirees were hourly and salaried members of the Armco Employees Independent Federation (AEIF), the union at AK Steel s Middletown (OH) Works, the company s largest plant.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibit:

99.1 Press Release issued on June 1, 2006

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: June 1, 2006

EXHIBIT INDEX

<u>Exhibit No.</u>

Description

99.1 Press Release issued on June 1, 2006