

ARCH COAL INC  
Form 8-K  
August 24, 2006

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UNITED STATES  
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 (Date of Earliest Event Reported):

August 24, 2006

Arch Coal, Inc.

(Exact name of registrant as specified in its charter)

Delaware

1-13105

43-0921172

(State or other jurisdiction  
of incorporation)

(Commission  
File Number)

(I.R.S. Employer  
Identification No.)

One CityPlace Drive, Suite 300, St. Louis,  
Missouri

63141

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

(314) 994-2725

Not Applicable

Former name or former address, if changed since last report

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:

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



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**Item 7.01 Regulation FD Disclosure.**

On August 24, 2006, Arch Coal, Inc. announced that it has acquired an interest in DKRW Advanced Fuels. A copy of the press release announcing the transaction is attached hereto as Exhibit 99.1 and is hereby incorporated by reference.

**Item 9.01 Financial Statements and Exhibits.**

The following exhibits are attached hereto and filed herewith.

Exhibit No. Description

99.1 Press release dated August 24, 2006

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**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.

Arch Coal, Inc.

*August 24, 2006*

*By: Robert G. Jones*

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*Name: Robert G. Jones*

*Title: Vice President - Law, General Counsel and Secretary*

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Exhibit Index

<b><u>Exhibit No.</u></b>	<b><u>Description</u></b>
99.1	Press release dated August 24, 2006