

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

FORM 3

INITIAL STATEMENT OF 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(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person

Burke (Last) Frank (First) M. (Middle)
5500 Preston Road, Suite 315 (Street)
Dallas (City) Texas (State) 75205 (Zip)

2. Date of Event Requiring Statement (Month/Day/Year)

09/07/00

3. IRS or Social Security Number of Reporting Person (Voluntary)

4. Issuer Name and Ticket or Trading Symbol

Arch Coal, Inc. (ACI)

5. Relationship of Reporting Person to Issuer (Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. If Amendment, Date of Original (Month/Day/Year)

7. Individual or Joint/Group Filing (Check applicable line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

TABLE I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|--|---|---|
| Common Stock | 30,000 | D | |
| Common Stock | 20,000 | I | *By Ltd. |

* Mr. Burke is Managing General Partner and owns 50% of capital.

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

Table II - Derivative Securities Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4) 2. Date Exercisable and Expiration Date
(Month/Day/Year)
Date Exercisable Expiration Date

No securities beneficially owned

| 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) Or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|---|---|
| Title Amount or Number of Shares | | | |

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 provided is insufficient, see Instruction 6 for procedure.

/s/ Rosemary L. Klein
**Signature of Reporting Person
(on behalf of Frank M. Burke)

September 14th, 2000
Date

POWER OF ATTORNEY

The undersigned appoints the following individuals, with full power to each of them to act alone, as its true and lawful attorneys-in-fact and agents to execute and file on behalf of the undersigned all Forms 3, 4 and 5, and any amendments thereto, that the undersigned may be required to file with the Securities and Exchange Commission, and any stock exchange or similar authority, as a result of the undersigned's ownership of or transactions in securities of Arch Coal, Inc. The authority of the following individuals under this Power of Attorney shall continue until the undersigned is no longer required to file Forms 3, 4 and 5 with regard to the undersigned's ownership of or transactions in securities of Arch Coal, Inc., unless earlier revoked in writing. The undersigned acknowledges that the following individuals are not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

The following Officers of Arch Coal, Inc.:
Secretary of the Corporation
Assistant Secretary of the Corporation
General Counsel of the Corporation

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 8th day of September, 2000.

/s/ Frank M. Burke
Frank M. Burke