

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**SCHEDULE 13G**

**Under the Securities Exchange Act of 1934  
(Year End Filing)\***

**ARCH COAL INC.**

---

(Name of Issuer)

**COMMON SHARES**

---

(Title of Class of Securities)

**039380100**

---

(CUSIP Number)

**December 31, 2010**

---

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<b>1</b>	<b>NAMES OF REPORTING PERSONS</b> <b>I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)</b> Goodman & Company, Investment Counsel Ltd., One Adelaide Street East, 29 <sup>th</sup> Floor, Toronto, Ontario, M5C 2V9, Canada	
<b>2</b>	<b>CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)</b> (a) N/A (b)	
<b>3</b>	<b>SEC USE ONLY</b>	
<b>4</b>	<b>CITIZENSHIP OR PLACE OF ORGANIZATION</b> Toronto, Ontario, Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>5</b>	<b>SOLE VOTING POWER</b> 8,244,900 common shares
	<b>6</b>	<b>SHARED VOTING POWER</b> Nil
	<b>7</b>	<b>SOLE DISPOSITIVE POWER</b> 8,244,900 common shares
	<b>8</b>	<b>SHARED DISPOSITIVE POWER</b> Nil
<b>9</b>	<b>AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON</b> 8,244,900 common shares are held within mutual funds or other client accounts managed by Goodman & Company, Investment Counsel Ltd. acting as Investment Counsel and Portfolio Manager.	
<b>10</b>	<b>CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)</b> N/A	
<b>11</b>	<b>PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)</b> 5.07% undiluted	
<b>12</b>	<b>TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)</b> IA	

- Item 1.** (a) Name of Issuer **Arch Coal Inc.**  
(b) Address of Issuer's Principal Executive Offices **One CityPlace Dr., Suite 300, St. Louis, MO 63141, USA**

**Item 2.**

- (a) Name of Person Filing **Goodman & Company, Investment Counsel Ltd.**  
(b) Address of Principal Business Office or, if none, Residence **One Adelaide Street East, 29<sup>th</sup> Floor, Toronto, Ontario, Canada, M5C 2V9**  
(c) Citizenship **Canadian**  
(d) Title of Class of Securities **Common Shares**  
(e) CUSIP Number **Not Applicable**

**Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).  
(b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).  
(c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).  
(d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).  
(e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);  
(f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);  
(g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);  
(h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);  
(i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);  
(j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

**CANADIAN INVESTMENT COUNSELLING FIRM**

**Item 4. Ownership.**

- (a) Amount beneficially owned: **8,244,900 common shares**
- (b) Percent of class: **5.07% undiluted**
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote **8,244,900 common shares**
  - (ii) Shared power to vote or to direct the vote **Nil**
  - (iii) Sole power to dispose or to direct the disposition of **8,244,900 common shares**
  - (iv) Shared power to dispose or to direct the disposition of **Nil**

**Item 5. Ownership of Five Percent or Less of a Class**

Not applicable.

**Item 6. Ownership of More Than Five Percent on Behalf of Another Person.**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company**

Not applicable.

**Item 8. Identification and Classification of Members of the Group**

Not applicable.

**Item 9. Notice of Dissolution of Group**

Not applicable.

**Item 10. Certification**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

January 19, 2011

\_\_\_\_\_  
Date

*"David Taylor"*

\_\_\_\_\_  
Signature

David Taylor,  
Vice-President and Portfolio Manager

\_\_\_\_\_  
Name/Title

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.