

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

SCHEDULE 13G*
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO § 240.13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO § 240.13d-2
(Amendment No.)*

ARCH COAL INC

(Name of Issuer)

Common Stock
(Title of Class of Securities)

039380407
(CUSIP Number)

February 10, 2020
(Date of Event Which Requires Filing of the 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).

1.	NAME OF REPORTING PERSONS Luminus Management, LLC
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) <div style="text-align: right;"> (a) <input type="checkbox"/> (b) <input type="checkbox"/> </div>
3.	SEC USE ONLY
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER 0 Shares
	6. SHARED VOTING POWER 830,381 Shares Refer to Item 4 below
	7. SOLE DISPOSITIVE POWER 0 Shares
	8. SHARED DISPOSITIVE POWER 830,381 Shares Refer to Item 4 below
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 830,381 Shares Refer to Item 4 below
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <div style="text-align: right;"> <input type="checkbox"/> </div>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.49% Refer to Item 4 below
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IA

1.	NAME OF REPORTING PERSONS Luminus Energy Partners Master Fund, Ltd.
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) <div style="text-align: right;"> (a) <input type="checkbox"/> (b) <input type="checkbox"/> </div>
3.	SEC USE ONLY
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Bermuda
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER 0 Shares
	6. SHARED VOTING POWER 646,211 Shares Refer to Item 4 below
	7. SOLE DISPOSITIVE POWER 0 Shares
	8. SHARED DISPOSITIVE POWER 646,211 Shares Refer to Item 4 below
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 646,211 Shares Refer to Item 4 below
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <div style="text-align: right;"> <input type="checkbox"/> </div>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.27% Refer to Item 4 below
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO

1.	NAME OF REPORTING PERSONS Luminus Special Opportunities II Master Fund, Ltd.
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) <div style="text-align: right;"> (a) <input type="checkbox"/> (b) <input type="checkbox"/> </div>
3.	SEC USE ONLY
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER 0 Shares
	6. SHARED VOTING POWER 184,170 Shares Refer to Item 4 below
	7. SOLE DISPOSITIVE POWER 0 Shares
	8. SHARED DISPOSITIVE POWER 184,170 Shares Refer to Item 4 below
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 184,170 Shares Refer to Item 4 below
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <div style="text-align: right;"> <input type="checkbox"/> </div>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.22% Refer to Item 4 below
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO

1.	NAME OF REPORTING PERSONS Jonathan Barrett
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) <div style="text-align: right;"> (a) <input type="checkbox"/> (b) <input type="checkbox"/> </div>
3.	SEC USE ONLY
4.	CITIZENSHIP OR PLACE OF ORGANIZATION United States
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER 0 Shares
	6. SHARED VOTING POWER 830,381 Shares Refer to Item 4 below
	7. SOLE DISPOSITIVE POWER 0 Shares
	8. SHARED DISPOSITIVE POWER 830,381 Shares Refer to Item 4 below
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 830,381 Shares Refer to Item 4 below
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <div style="text-align: right;">0</div>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.49% Refer to Item 4 below
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN

Item 1(a). **Name of Issuer:**
ARCH COAL INC.

Item 1(b). **Address of Issuer's Principal Executive Offices:**

ONE CITYPLACE DRIVE SUITE 300 ST LOUIS MO 63141

Item 2(a). **Name of Person Filing:**
Luminus Management, LLC

Luminus Energy Partners Master Fund, Ltd.

Luminus Special Opportunities II Master Fund, Ltd.

Jonathan Barrett

Item 2(b). **Address of Principal Business Office or, if none, Residence:**
1700 Broadway, 26th Floor

New York, NY 10019

Item 2(c). **Citizenship:**
Luminus Management, LLC – Delaware

Luminus Energy Partners Master Fund, Ltd. – Bermuda

Luminus Special Opportunities II Master Fund, Ltd. – Cayman Islands

Jonathan Barrett – United States

Item 2(d). **Title of Class of Securities:**
Common Stock

Item 2(e). **CUSIP Number:** 039380407

Item 3. **If this statement is filed pursuant to §§ 240.13d-1(b), or 240.13d-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 § 240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) A savings association 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 (15 U.S.C. 80a-3);
- (j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
- (k) Group, in accordance with § 240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution: _____.

Item 4.**Ownership:**

The figures reflect the beneficial ownership for each of the Reporting Persons as of close of business February 20, 2020.

The aggregate percentage of Common Shares reported owned by each Reporting Person is based upon 15,131,570 Common Shares outstanding as of January 31, 2020, as reported in the Issuer's Form 10-K filed with the Securities and Exchange Commission on February 11, 2020.

(a) Amount beneficially owned*:

Luminus Management, LLC – 830,381 Shares

Luminus Energy Partners Master Fund, Ltd. – 646,211 Shares

Luminus Special Opportunities II Master Fund, Ltd. – 184,170 Shares

Jonathan Barrett – 830,381 Shares

(b) Percent of class:

Luminus Management, LLC – 5.49%

Luminus Energy Partners Master Fund, Ltd. – 4.27%

Luminus Special Opportunities II Master Fund, Ltd. – 1.22%

Jonathan Barrett – 5.49%

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

Luminus Management, LLC – 0 Shares

Luminus Energy Partners Master Fund, Ltd. – 0 Shares

Luminus Special Opportunities II Master Fund, Ltd. – 0 Shares

Jonathan Barrett – 0 Shares

(ii) Shared power to vote or to direct the vote:

Luminus Management, LLC – 830,381 Shares

Luminus Energy Partners Master Fund, Ltd. – 646,211 Shares

Luminus Special Opportunities II Master Fund, Ltd. – 184,170 Shares

Jonathan Barrett – 830,381 Shares

(iii) Sole power to dispose or to direct the disposition of:

Luminus Management, LLC – 0 Shares

Luminus Energy Partners Master Fund, Ltd. – 0 Shares

Luminus Special Opportunities II Master Fund, Ltd. – 0 Shares

Jonathan Barrett – 0 Shares

(iv) Shared power to dispose or to direct the disposition of:

Luminus Management, LLC – 830,381 Shares

Luminus Energy Partners Master Fund, Ltd. – 646,211 Shares

Luminus Special Opportunities II Master Fund, Ltd. – 184,170 Shares

Jonathan Barrett – 830,381 Shares

* Shares reported herein are held by Luminus Energy Partners Master Fund, Ltd. for which Luminus Management, LLC serves as the investment manager. Jonathan Barrett is the ultimate beneficial owner of Luminus Management, LLC. Each of the Reporting Persons disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

- Item 5. Ownership of Five Percent or Less of a Class:**
If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following.
- 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. Certifications:**
By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.
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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.

February 21, 2020

LUMINUS MANAGEMENT, LLC

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: President

LUMINUS ENERGY PARTNERS MASTER FUND, LTD.

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: Director

LUMINUS SPECIAL OPPORTUNITIES II MASTER FUND, LTD.

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: Director

JONATHAN BARRETT

By: /s/ Jonathan Barrett
Name: Jonathan Barrett

JOINT FILING AGREEMENT

This Joint Filing Agreement, dated as of February 21, 2020, is by and among Luminus Management, LLC, Luminus Energy Partners Master Fund, Ltd. and Jonathan Barrett (collectively, the "Filers").

Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13D and/or 13G with respect to shares of Common Stock of Celadon Group, Inc. beneficially owned by them from time to time.

Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13D and/or 13G (and any amendments thereto) on behalf of each of the Filers, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule.

This Joint Filing Agreement may be terminated by any of the Filers upon written notice or such lesser period of notice as the Filers may mutually agree.

Executed and delivered as of the date first above written.

LUMINUS MANAGEMENT, LLC

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: President

LUMINUS ENERGY PARTNERS MASTER FUND, LTD.

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: Director

LUMINUS SPECIAL OPPORTUNITIES II MASTER FUND, LTD.

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
Title: Director

JONATHAN BARRETT

By: /s/ Jonathan Barrett
Name: Jonathan Barrett
