CLOUD PEAK ENERGY INC. Form SC 13G/A February 11, 2011

February 10, 2011

Securities and Exchange Commission 450 Fifth Street NW Washington, DC 20549

RE: Schedule 13G Cloud Peak Energy,Inc. As of January 31, 2011

Gentlemen:

In accordance with Section 13(d)(5) of the Securities Exchange Act of 1934, attached please find a copy of Schedule 13G for the above named company showing beneficial ownership of 10% or more as of January 31, 2011 filed on behalf of Eagle Asset Management, Inc.

Very truly yours,

Damian Sousa Vice President Chief Compliance Officer DS:dv Enclosures

cc: Office of the Corporate Secretary Cloud Peak Energy, Inc. 505 South Gillette Avenue Gillette, WY 82716

> Securities Division NASD Financial Center 33 Whitehall Street New York, NY 10004

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Schedule 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Cloud Peak Energy, Inc.

(Name of Issuer)

Common Stock par value \$.01 per share (Title of Class of Securities)

18911Q102 (CUSIP Number)

Check the following box if a fee is being paid with this statement _____. (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

*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).

Page 1 of 5 Pages CUSIP NO. 18911Q102 13G 1 NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Eagle Asset Management, Inc. 59-2385219 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (A) _____ (B) _____ 3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION State of Florida NUMBER OF 5 SOLE VOTING POWER SHARES 3,303,839 3,303,839 BENEFICIALLY 6 SHARED VOTING POWER OWNED _ _ _ AS OF January 31, 2011 7 SOLE DISPOSITIVE POWER

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BY EACH 3,303,839 REPORTING 8 SHARED DISPOSITIVE POWER PERSON WITH _ _ _ 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,303,839 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* 10 [____] 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 10.49% 12 TYPE OF REPORTING PERSON* ΙA *SEE INSTRUCTION BEFORE FILLING OUT! Page 2 of 5 Pages Name of Issuer: Item 1(a) Cloud Peak Energy, Inc. Item 1(b) Address of Issuer's Principal Executing Offices: 505 South Gillette Avenue Gillette, WY 82716 Item 2(a) Name of Person Filing: Eagle Asset Management, Inc. Address of Principal Business Office: Item 2(b) 880 Carillon Parkway St. Petersburg, Florida 33716 Item 2(c) Citizenship: Florida Item 2(d) Title of Class of Securities: Common Stock par value \$.01 per share Item 2(e) CUSIP Number: 18911Q102 Item 3 Type of Reporting Person:

(e) Investment Adviser registered under Section 203 of the Investment Advisors Act of 1940

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Page 3 of 5 Pages Item 4 Ownership as of January 31, 2011				
(a)	Amount Beneficially Owned:			
	3,303,839 shares of common stock beneficially			No. of Shares
	Eagle Asset Management, Inc.			3,303,839
(b)	Percent of Class:			10.49%
(c)	Deemed Voting Power and Disposition Power:			
	(i)	(ii)	(iii) Deemed	(iv) Deemed
	Deemed to have Sole Power to Vote or to Direct to Vote	Deemed to have Shared Power to Vote or to Direct to Vote	to have Sole Power to Dispose or to Direct the Disposition	to have Shared Power to Dispose or to Direct the Disposition
Eagle Asset 3,303,839 3,303,839 Management, Inc.				
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 five percent of the class of securities, check the following.				
				()
Item 6	Ownership of More than Five Percent on Behalf of Another Person:			
	N/A			
Item 7	Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company:			
N/A				
Page 4 of 5 Pages Item 8 Identification and Classification of Members of the Group: N/A				
Item 9	Notice of Dissolution of Group: N/A			
Item 10	Certification:			
By signing below I certify that to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and				

influencing the control of the issuer of such securities and were not acquired in connection with or as a participant

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in any transaction having such purposes 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.

Date: February 10, 2011 EAGLE ASSET MANAGEMENT, INC.

Damian Sousa Vice President Chief Compliance Officer

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