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))

On October 28, 2010, Cliffs Natural Resources Inc. issued a news release announcing the unaudited third quarter and nine month financial results for the period ended September 30, 2010, a copy of which is attached as Exhibit 99(a) to this Current Report on Form 8-K. This information shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

(d) Exhibits:

Exhibit Number	Exhibit	
99(a)	Cliffs Natural Resources Inc. published a news release on October 28, 2010 captioned, "Cliffs Natural Resources Inc. Reports Third-Quarter 2010 Results"	Filed Herewith

[redacted]

Exhibit Number	Exhibit	
99(a)	Cliffs Natural Resources Inc. published a news release on October 28, 2010 captioned, “Cliffs Natural Resources Inc. Reports Third-Quarter 2010 Results”	Filed Herewith

	Three Months Ended September 30,		Nine Months Ended September 30,	
		2009		2009
		5,572		9,912
Revenues from product sales and services		$428.2		$879.3
Cost of goods sold and operating expenses		338.7		771.2
Sales margin		$ 89.5		$108.1
Revenues from product sales and services*				

	Three Months Ended September 30,		Nine Months Ended September 30,	
		2009		2009
Total North American Coal Mine Production		294		1,012

	Three Months Ended September 30,		Nine Months Ended September 30,	
		2009		2009
		2,636		6,391
Revenues from product sales and services		$165.3		$405.4
Cost of goods sold and operating expenses		138.2		338.0
Sales margin		$ 27.1		$ 67.4
Revenues from product sales and services		$62.71		$63.43
Cash cost*		43.97		40.13
Depreciation, depletion and amortization		8.46		12.75
Cost of goods sold and operating expenses		52.43		52.88
Sales margin				

In the third quarter of 2010, Cliffs' share of sales volume for its 45% economic interest in Sonoma Coal was 373,000 tonnes. Revenues and sales margin generated for Cliffs' share were $55.8 million and $21.8 million, respectively. Revenue per tonne at Sonoma was $149.60, with costs of $91.18 per tonne.

Cliffs has a 30% ownership interest in the Amapá Iron Ore Project. During the third quarter, Amapá produced a total of approximately 1.1 million tonnes. The project produced equity income of $4.5 million for Cliffs' share.

During the quarter and as previously disclosed, Cliffs priced two tranches of 10-year and 30-year senior notes totaling $1 billion. Cliffs used the increased liquidity to repay all of the borrowings outstanding under the Company's credit facility and intends to use the remaining proceeds for other corporate purposes. At Sept. 30, 2010, Cliffs had $969.4 million of cash and cash equivalents, $1.7 billion in long-term debt and no borrowings on its $600 million revolving credit facility. At Dec. 31, 2009, Cliffs had $502.7 million of cash and cash equivalents, $525 million in long-term debt and no borrowings on its credit facility.

Subsequent to the end of the quarter, Cliffs completed the "squeeze-out" transaction to acquire the remaining shares of Spider Resources. Financed with cash on hand, the total cash outflow to acquire Spider Resources is estimated at $120 million.

Depreciation, depletion and amortization in the third quarter was $84.5 million. Year-to-date, Cliffs has generated approximately $631.0 million in cash from operations.

Cliffs expects demand for its products to remain steady for the remainder of 2010 and into 2011. Consistent with the prior quarter, Cliffs' 2010 outlook assumes North American steel utilization rates remain static for the balance of the year. The Company has an optimistic outlook for its businesses based on the global supply and demand fundamentals and believes current prices for its products will remain stable and continue to benefit from growing demand in emerging markets. Changes to fundamentals that impact supply and demand dynamics for steelmaking raw materials, along with changes to the historical annual benchmark pricing mechanism, could have a material effect on the Company’s results of operations. Accordingly, the outlook below is subject to change based on these and other factors.

Cliffs said it is maintaining its 2010 North American Iron Ore sales volume expectation of approximately 27 million tons.

The Company currently has determined pricing mechanisms or final pricing for approximately 60% of its 2010 expected sales volume. The customer supply agreements with final pricing utilize an average iron ore settlement price increase of 96% over the 2009 seaborne price for the factor in the elements w

Based on the above guidance, Cliffs expects to generate more than $1.3 billion in cash from operations in 2010. The Company expects capital expenditures of approximately $275 million, up from its previous expectation of $250 million, due to additional capital for expansion at Cliffs' acquired INR coal mines, extending the life of its Empire Mine through 2014 and infrastructure upgrades that will increase capacity in Australia.

Cliffs will host a conference call to discuss its third-quarter 2010 results tomorrow, Oct. 29, 2010, at 10 a.m. ET. The call will be broadcast live on Cliffs' website: www.cliffsnaturalresources.com. A replay of the call will be available on the website for 30 days.

To be added to Cliffs Natural Resources' e-mail distribution list, please click on the link below:
http://www.cpg-llc.com/clearsite/clf/emailoptin.html

Cliffs Natural Resources Inc. is an international mining and natural resources company. A member of the S&P 500 Index, we are the largest producer of iron ore pellets in North America, a major supplier of direct-shipping lump and fines iron ore out of Australia and a significant producer of high and low volatile metallurgical coal. With core values of environmental and capital stewardship, our colleagues across the globe endeavor to provide all stakeholders operating and financial transparency as embodied in the Global Reporting Initiative (GRI) framework. Our Company is organized through three geographic business units:

The North American business unit is comprised of six iron ore mines owned or managed in Michigan, Minnesota and Canada and six coal mines located in West Virginia and Alabama. The Asia Pacific business unit is comprised of two iron ore mining complexes in Western Australia and a 45% economic interest in a coking and thermal coal mine in Queensland, Australia. The Latin American business unit includes a 30% interest in the Amapá Project, an iron ore project in the state of Amapá in Brazil.

Other projects under development include a biomass production plant in Michigan and Ring of Fire chromite properties in Ontario, Canada. Over recent years, Cliffs has been executing a strategy designed to achieve scale in the mining industry and focused on serving the world's largest and fastest growing steel markets.

News releases and other information on the Company are available on the Internet at: http://www.cliffsnaturalresources.com