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**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

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**POST-EFFECTIVE AMENDMENT No. 1**  
**TO**  
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### Deregistration of Securities

This Post-Effective Amendment No. 1 to the Registration Statement of Cliffs Natural Resources Inc. (formerly known as Cleveland-Cliffs Inc), an Ohio corporation ("Cliffs"), on Form S-4 (File No. 333-152974) filed with the Securities and Exchange Commission on August 12, 2008, as amended on September 22, 2008 and October 15, 2008 (the "Registration Statement"), and declared effective on October 23, 2008, is being filed in order to deregister all Cliffs common shares, par value \$0.125 per share, that were registered under the Registration Statement (the "Registered Securities") for issuance pursuant to that certain Agreement and Plan of Merger dated as of July 15, 2008, by and among Cliffs, Alpha Merger Sub, Inc. (formerly known as Daily Double Acquisition, Inc.), a Delaware corporation and a wholly-owned subsidiary of Cliffs, and Alpha Natural Resources, Inc., a Delaware corporation (the "Merger Agreement"). The Merger Agreement was terminated effective as of November 17, 2008, as a result of which no securities of Cliffs will be issued under the Merger Agreement. Accordingly, Cliffs is filing this Post-Effective Amendment No. 1 to deregister, and Cliffs hereby removes from registration, all of the Registered Securities that are no longer issuable as a result of the termination of the Merger Agreement. The Registered Securities remained unissued and unsold as of the date of the termination of the Merger Agreement and as of the date of the filing of this Post-Effective Amendment No. 1, and, upon the deregistering of the Registered Securities, no securities will ~~of the Regir~~

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant has duly caused this post-effective amendment to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Cleveland, State of Ohio on November 17, 2008.

CLIFFS NATURAL RESOURCES INC.  
(Registrant)

By: /s/ George W. Hawk, Jr.  
Name: George W. Hawk, Jr.  
Title: General Counsel and Secretary

Pursuant to the requirements of the Securities Act of 1933, this post-effective amendment to the Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
* <u>Joseph A. Carrabba</u>	Chairman, President and Chief Executive Officer, Director	November 17 , 2008
* <u>R.C. Cambre</u>	Director	November 17, 2008
* <u>S. M. Cunningham</u>	Director	November 17, 2008
* <u>B. J. Els</u>		
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\* The undersigned, pursuant to a power of attorney, executed by each of the officers and directors above and filed with the Securities and Exchange Commission on August 12, 2008, as Exhibit 24(a) to the Registration Statement and incorporated herein by reference, by signing his name hereto, does hereby sign and deliver this post-effective amendment to the Registration Statement on behalf of each of the persons noted above in the capacities indicated.

By: /s/ George W. Hawk, Jr.  
George W. Hawk, Jr.  
Attorney-in-Fact