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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 7)*

Cliffs Natural Resources Inc. (Name of Issuer)

Common Shares (Title of Class of Securities)

> 18683K101 (CUSIP Number)

February 27, 2015 (Date of Event Which Requires Filing of this Statement)

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

- [X] 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).

CUSIP: 18683K101 Page 1 of 4

<Page>

NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Capital World Investors **

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

SEC USE ONLY 3

CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

5,665,643

SHARED VOTING POWER NUMBER OF NONE SHARES BENEFICIALL Y OWNED BY 7 SOLE DISPOSITIVE POWER EACH REPORTING 5,665,643 PERSON WITH: SHARED DISPOSITIVE POWER NONE AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5.665.643 Beneficial ownership disclaimed pursuant to Rule 13d-4 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 3.6% 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) ** A division of Capital Research and Management Company (CRMC) CUSIP: 18683K101 Page 2 of 4 <Page> SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549 Schedule 13G Under the Securities Exchange Act of 1934 Amendment No. 7 Name of Issuer: Item 1(a) Cliffs Natural Resources Inc. Address of Issuer's Principal Executive Offices: Item 1(b) 200 Public Square, Suite 3300 Cleveland, OH 44114-2315 Item 2(a) Name of Person(s) Filing: Capital World Investors Item 2(b) Address of Principal Business Office or, if none, Residence: 333 South Hope Street Los Angeles, CA 90071 Citizenship: N/A Item 2(c) Item 2(d) Title of Class of Securities: Common Shares CUSIP Number: Item 2(e) 18683K101 If this statement is filed pursuant to sections 240.13d-1(b) Item 3 or 240.13d-2(b) or (c), check whether the person filing is a: An investment adviser in accordance with [X] section 240.13d-1(b)(1)(ii)(E). Item 4 Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:
- (b) Percent of class:
- (c) Number of shares as to which the person has:
- (i) Sole power to vote or to direct the vote:
- (ii) Shared power to vote or to direct the vote:
- (iii) Sole power to dispose or to direct the disposition of: èmnwædenewwana Shared power to dispose or to direct the disposition of:

See page 2

erp Capital World Investors is deemed to be the beneficial owner of 5,665,643 shares or 3.6% of the 155,801,195 shares believed to be outstanding as a result of CRMC acting as investment adviser avagistications investment companisheredShareedMum@AhrsSaediofi 8 of ent Chm &nvhshgpatpCompany Act of 1940.

CUSIP: 18683K101

Page 3 of 4

<Page>

Shares reported by Capital World Investors include 2,521,643 shares resulting from the assumed conversion of 2,925,000 shares of the Convertibe Preferred Series A.