GEORGIA GULF CORP /DE/ Form SC 13G/A January 10, 2011

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 6) \*

Georgia Gulf Corporation (Name of Issuer)

Common Stock (Title of Class of Securities)

373200302 (CUSIP Number)

December 31, 2010 (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).

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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 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER 6,132,723 SHARED VOTING POWER NUMBER OF SHARES NONE BENEFICIALL Y OWNED BY 7 SOLE DISPOSITIVE POWER EACH REPORTING 6,132,723 PERSON WITH: 8 SHARED DISPOSITIVE POWER NONE AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 6,132,723 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 18.1% 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) TΑ  $\ensuremath{^{\star\star}}$  A division of Capital Research and Management Company (CRMC)

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- NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) The Income Fund of America
- 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a)

(b)

- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

Maryland

5 SOLE VOTING POWER

NONE

6 SHARED VOTING POWER

NUMBER OF

SHARES NONE

BENEFICIALL

Y OWNED BY

7 SOLE DISPOSITIVE POWER

EACH

REPORTING NONE

PERSON

WITH:

8 SHARED DISPOSITIVE POWER

NONE

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,014,825 Please note: The Income Fund of America (IFA) no longer votes the shares held. IFA has delegated voting power to the advisor.

- 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

5.9%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IV

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# SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

Schedule 13G Under the Securities Exchange Act of 1934

#### Amendment No. 6

- Item 1(a) Name of Issuer:
   Georgia Gulf Corporation

- Item 2(b) Address of Principal Business Office or, if none,
   Residence:
   333 South Hope Street
   Los Angeles, CA 90071
- Item 2(c) Citizenship: N/A

- Item 3 If this statement is filed pursuant to sections 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:
  - (d) [X] Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
  - (e) [X] An investment adviser in accordance with 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:
- (iv) Shared power to dispose or to direct the disposition of:

See pages 2 and 3

Capital World Investors is deemed to be the beneficial owner of 6,132,723 shares or 18.1% of the 33,962,291 shares of Common Stock believed to be outstanding as a result of CRMC acting as CUSIP: 373200302

investment adviser to various investment companies registered under Section 8 of the Investment Company Act of 1940.

The Income Fund of America, an investment company registered under the Investment Company Act of 1940, which is advised by Capital Research and Management Company ("CRMC"), is the beneficial owner of 2,014,825 shares or 5.9% of the 33,962,291 shares of Common Stock believed to be outstanding. CRMC manages equity assets for various investment companies through two divisions, Capital Research Global Investors and Capital World Investors. These divisions generally function separately from each other with respect to investment research activities and they make investment decisions and proxy voting decisions for the investment companies on a separate basis.

- 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: One or more clients of Capital World Investors have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Common Stock of Georgia Gulf Corporation. As of December 31, 2010 the following client(s) of Capital World Investors held more than five percent of the outstanding Common Stock of Georgia Gulf Corporation:

American High-Income Trust, The Income Fund of America

- Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person: N/A
- Item 8 Identification and Classification of Members of the Group:  $\ensuremath{\mathrm{N/A}}$
- 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 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.

Date: January 7, 2011

Signature: Robert W. Lovelace\*\*\*

Name/Title: Robert W. Lovelace - Senior Vice

President

Capital World Investors

Date: January 7, 2011

Signature: Patrick F. Quan\*\*\*

Name/Title: Patrick F. Quan - Secretary

The Income Fund of America, Inc.

\*\*\*By /s/ Walter R. Burkley
Walter R. Burkley
Attorney-in-fact

Signed pursuant to a Power of Attorney dated December 20, 2010 included as Exhibit to this Schedule 13G.

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#### AGREEMENT

#### Los Angeles, CA

Capital World Investors ("CWI") and The Income Fund of America ("IFA") hereby agree to file a joint statement on Schedule 13G under the Securities Exchange Act of 1934 (the "Act") in connection with their beneficial ownership of Common Stock issued by Georgia Gulf Corporation.

CWI and IFA state that they are each entitled to individually use Schedule 13G pursuant to Rule 13d-1(c) of the Act.

CWI and IFA are each responsible for the timely filing of the statement and any amendments thereto, and for the completeness and accuracy of the information concerning each of them contained therein but are not responsible for the completeness or accuracy of the information concerning the others.

#### CAPITAL WORLD INVESTORS

BY: Robert W. Lovelace\*\*\*

Robert W. Lovelace - Senior

Vice President

Capital World Investors

#### THE INCOME FUND OF AMERICA

BY: Patrick F. Quan\*\*\*

Patrick F. Quan - Secretary The Income Fund of America,

Inc.

\*\*\*B /s/ Walter R. Burkley

Walter R. Burkley Attorney-in-fact

Signed pursuant to a Power of Attorney dated December 20, 2010 included as Exhibit to this Schedule 13G.

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#### POWER OF ATTORNEY

The undersigned do hereby appoint Walter R. Burkley and Donald H. Rolfe, and each of them, acting singly, with full power of substitution, as the true and lawful attorney of the undersigned, to sign on behalf of the undersigned in respect of the ownership of equity securities deemed held by the undersigned, Capital World Investors, American Balanced Fund, American High-Income Trust, The Bond Fund of America, Inc., EuroPacific Growth Fund, American Funds Fundamental Investors, The Growth Fund of America, Inc., The Income Fund of America, New Perspective Fund, Inc., New World Fund, Inc., SMALLCAP World Fund, Inc., American Funds Insurance Series (Asset Allocation Fund, Global Growth Fund, Global Growth and Income Fund, New World Fund, Growth Fund), and Washington Mutual Investors Fund, and to be reported pursuant to Sections 13(d) 13(f) and 13(g) of the Securities Exchange Act of 1934, as amended, and to execute joint filing agreements with respect to such filings.

IN WITNESS WHEREOF, this Power of Attorney, has been executed as th of the 20  $\,$  day of December, 2010.

Capital World Investors

/s/ Robert W. Lovelace

Name: Robert W. Lovelace Title: Senior Vice President

Washington Mutual Investors Fund

/s/ Jennifer L. Butler

Name: Jennifer L. Butler

Title: Secretary

American High-Income Trust
The Bond Fund of America, Inc.

/s/ Courtney R. Taylor

Name: Courtney R. Taylor Title: Secretary

American Balanced Fund American Funds Fundamental Investors The Growth Fund of America, Inc. The Income Fund of America SMALLCAP World Fund, Inc.

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/s/ Patrick F. Quan

Name: Patrick F. Quan Title: Secretary

American Funds Insurance Series

/s/ Steven I Koszalka

Name: Steven I. Koszalka

Title: Secretary

EuroPacific Growth Fund New Perspective Fund, Inc. New World Fund, Inc.

/s/ Vincent P. Corti

Name: Vincent P. Corti
Title: Secretary

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