UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

POST-EFFECTIVE AMENDMENT NO. 1
TO
FORM S-4 REGISTRATION STATEMENT
ON
FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

GRAPHIC PACKAGING HOLDING COMPANY

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

26-0405422 (I.R.S. Employer Identification No.)

30067 (Zip Code)

814 Livingston Court, Marietta, Georgia (Address of Principal Executive Offices)

2004 Stock and Incentive Compensation Plan
Riverwood Holding, Inc. Stock Incentive Plan
Riverwood Holding, Inc. Supplemental Long-Term Incentive Plan
Riverwood Holding, Inc. 2002 Stock Incentive Plan
2003 Riverwood Holding, Inc. Long-Term Incentive Plan
Graphic Packaging Equity Incentive Plan
Graphic Packaging Non-Employee Director Plan
(Full title of the plans)

Stephen A. Hellrung, Esq.
Senior Vice President, General Counsel and Secretary
814 Livingston Court
Marietta, Georgia 30067
(Name and Address of Agent For Service)

(770) 644-3000

(Telephone number, including area code, of agent for service)

Copies to:

William Scott Ortwein, Esq. Alston & Bird LLP 1201 West Peachtree Street Atlanta, Georgia 30309 (404) 881-7000

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer □

Accelerated filer ☑

Non-accelerated filer ☐ (Do not check if a smaller reporting company)

Smaller reporting company \square

CALCULATION OF REGISTRATION FEE

Proposed Proposed Maximum
Title of Securities to Amount to be Maximum Offering Aggregate Offering Amount of

be Registered	Registered(1)	Price Per Share	Price	Registration Fee
Common Stock, par value \$0.01 per share (3)	29,248,878 shares	(2)	(2)	(2)

- (1) Pursuant to Rule 416(a) of the Securities Act of 1933, as amended (the "Securities Act"), also registered hereunder are such additional shares of Registrant's Class A Common Stock, par value \$0.01 per share, presently indeterminable, as may be necessary to satisfy the antidilution provisions of the Plans.
- (2) All of the shares registered hereby were previously registered on the Registrant's registration statement on Form S-4, as amended (File No. 333-145849) (the "Form S-4") and are being transferred to this registration statement on Form S-8 by way of this Post-Effective Amendment No. 1 to the Form S-4. In accordance with Rule 457(p), the aggregate total dollar amount of the Registration Fee is being offset by the dollar amount of registration fees previously paid in respect of such unissued shares previously registered by the Registrant on the Form S-4.
- (3) Each share of the Company's common stock includes one preferred stock purchase right that, prior to the occurrence of certain events, will not be exercisable or evidenced separately from the common stock.

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-4 on Form S-8 filed by Graphic Packaging Holding Company (the "Registrant") relates to 29,248,878 shares of the Registrant's common stock, par value \$0.01 (the "Common Shares"). All of the Common Shares are issuable pursuant to the plans identified on the cover page of this registration statement that were assumed (the "Assumed Plans") by the Registrant pursuant to the Transaction Agreement and Agreement and Plan of Merger dated as of July 9, 2007 by and among Graphic Packaging Corporation, Giant Merger Sub, Inc., Bluegrass Container Holdings, LLC, TPG Bluegrass IV, L.P., TPG Bluegrass IV — AIV 2, L.P., TPG Bluegrass V, L.P., TPG Bluegrass V, L.P., Field Holdings, Inc., TPG FOF V-A, L.P., TPG FOF V-B, L.P., BCH Management, LLC and the Registrant. All of the Shares registered hereby were previously registered on the Registrant's registration statement on Form S-4, as amended (File No. 333-145849) (the "Form S-4") and are being transferred to this registration statement on Form S-8 by way of this Post-Effective Amendment No. 1 to the Form S-4.

The Common Shares registered hereby relate to the Assumed Plans in the following amounts: 2004 Stock and Incentive Compensation Plan (16,390,211 shares), Riverwood Holding, Inc. Stock Incentive Plan (1,567,788 shares), Riverwood Holding, Inc. Supplemental Long-Term Incentive Plan (774,952 shares), Riverwood Holding, Inc. 2002 Stock Incentive Plan (6,503,948 shares), 2003 Riverwood Holding, Inc. Long-Term Incentive Plan (1,222,866 shares), Graphic Packaging Equity Incentive Plan (2,775,475 shares), Graphic Packaging Non-Employee Director Plan (13,638 shares). This Registration Statement also includes any additional shares that may hereafter become issuable in accordance with the adjustment and anti-dilution provisions of the Assumed Plans.

PART I INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

(a) The Assumed Plans' prospectuses, which constitute Part I of this registration statement, will be sent or given to participants in the Assumed Plans as specified by Rule 428(b)(1) under the Securities Act of 1933, as amended (the "Securities Act"). The Assumed Plans' prospectuses and the documents incorporated by reference in this registration statement pursuant to Item 3 of Part II of this form, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the Securities Act.

(b) Upon written or oral request, the Registrant will provide, without charge, the documents incorporated by reference in Item 3 of Part II of this registration statement. The documents are incorporated by reference in the Section 10(a) prospectus. The Registrant will also provide, without charge, upon written or oral request, other documents required to be delivered to employees pursuant to Rule 428(b). Requests for the above-mentioned information should be directed to Stephen A. Hellrung, Esq., at the address and telephone number on the cover of this registration statement.

PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents, filed by the Registrant and by Graphic Packaging Corporation, the Registrant's predecessor issuer (the "Corporation"), with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Exchange Act of 1934, as amended (the "Exchange Act"), are incorporated herein by reference and deemed to be a part hereof:

- (a) Each of the Registrant's and the Corporation's Annual Report on Form 10-K for the fiscal year ended December 31, 2007 pursuant to Section 13 of the Exchange Act.
- (b) All other reports filed by the Corporation or the Registrant pursuant to Section 13(a) or 15(d) of the Exchange Act since December 31, 2007.
- (c) The description of Registrant's Common Shares contained in the section captioned "Description of New Graphic Capital Stock" in the Registrant's Form S-4, including any amendment or report filed for the purpose of updating such description.
- (d) All other documents filed by the Corporation or the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment to this registration statement that indicates that all securities offered have been sold or that deregisters all securities that remain unsold.

Any statement contained in a document incorporated or deemed incorporated herein by reference shall be deemed to be modified or superseded for the purpose of this registration statement to the extent that a statement contained herein or in any subsequently filed document which also is, or is deemed to be, incorporated herein by reference modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this registration statement.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

Not applicable.

Item 6. Indemnification of Directors and Officers.

Section 145 of the Delaware General Corporation Law, or the DGCL, provides that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees)), judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. Section 145 further provides that a corporation similarly may indemnify any such person serving in any such capacity who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that he is or was a director, officer, employee or agent of the corporation or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorney's fees) actually and reasonably incurred in connection with the defense or settlement of such action or suit if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall hav

The Registrant's Certificate of Incorporation provides for the indemnification of directors, officers and employees to the fullest extent permitted by the DGCL. In addition, as permitted by the DGCL, the certificate of incorporation provides that the Registrant's directors shall have no personal liability to the Registrant or its stockholders for monetary damages for breach of fiduciary duty as a director, except (1) for any breach of the director's duty of loyalty to the Registrant or its stockholders, (2) for acts or omissions not in good faith or which involve intentional misconduct or knowing violation of law, (3) under Section 174 of the DGCL or (4) for any transaction from which a director derived an improper personal benefit.

The Registrant's By-Laws provide for the indemnification of all current and former directors and all current or former officers to the fullest extent permitted by the DGCL.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

See the Exhibit Index, which is incorporated herein by reference.

Item 9. Undertakings.

- (a) The undersigned Registrant hereby undertakes:
 - (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act;
- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) of this section do not apply if the registration statement is on Form S-8, and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or section 15(d) of the Exchange Act that are incorporated by reference in this registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
 - (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- (b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

(Signatures on the following page)

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Marietta, state of Georgia, on this 10th day of March, 2008.

GRAPHIC PACKAGING HOLDING COMPANY

By: /s/ Stephen A. Hellrung
Stephen A. Hellrung
Senior Vice President, General Counsel and Secretary

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints each of David W. Scheible, Daniel J. Blount and Stephen A. Hellrung his true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any or all amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent or any of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ David W. Scheible	Director, President and Chief Executive Officer (Principal Executive	March 10, 2008
David W. Scheible	Officer)	

Signature	Title	Date
/s/ Daniel J. Blount	Senior Vice President and Chief Financial Officer (Principal	March 10, 2008
Daniel J. Blount	Financial Officer)	
/s/ Deborah R. Frank		March 10, 2008
Deborah R. Frank	Vice President and Controller (Principal Accounting Officer)	
George V. Bayly	Director	
/s/ John D. Beckett		March 10, 2008
John D. Beckett	Director	
/s/ G. Andrea Botta		March 10, 2008
G. Andrea Botta	Director	
/s/ Jeffrey H. Coors		March 10, 2008
Jeffrey H. Coors	Director	
Kevin J. Conway	Director	
Kelvin C. Davis	Director	
/s/ Jack A. Fusco		March 10, 2008
Jack A. Fusco	Director	
/s/ Jeffrey Liaw		March 10, 2008
Jeffrey Liaw	Director	
/s/ Harold R. Logan, Jr.		March 10, 2008
Harold R. Logan, Jr.	Director	
/s/ Michael G. MacDougall		March 10, 2008
Michael G. MacDougall	Director	
/s/ John R. Miller		March 10, 2008
John R. Miller	Director	M1- 10, 2000
/s/ Robert W. Tieken		March 10, 2008
Robert W. Tieken	Director	

EXHIBIT INDEX TO REGISTRATION STATEMENT ON FORM S-8

Exhibit Number	Description
4.1	Restated Certificate of Incorporation of the Registrant. Filed as Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed on March 10, 2008 and incorporated herein by reference.
4.2	Amended and Restated By-Laws of the Registrant. Filed as Exhibit 3.2 to the Registrant's Current Report on Form 8-K filed on March 10, 2008 and incorporated herein by reference.
4.3	Graphic Packaging Holding Company Certificate of Designation, Preferences and Rights of Series A Junior Participating Preferred Stock. Filed as Exhibit 3.3 to the Registrant's Current Report on Form 8-K filed on March 10, 2008 and incorporated herein by reference.
5.1	Opinion of Alston & Bird LLP.
23.1	Consent of Alston & Bird LLP (included in Exhibit 5.1).
23.2	Consent of PricewaterhouseCoopers LLP.
23.3	Consent of PricewaterhouseCoopers LLP.
23.4	Consent of Ernst & Young LLP
99.1	2004 Stock and Incentive Compensation Plan of Graphic Packaging Corporation. Filed as Appendix B to the Corporation's definitive proxy statement filed on April 5, 2004 (Commission File No. 001-13182) and incorporated herein by reference.
99.2	Amended and Restated Riverwood Holding, Inc. Stock Incentive Plan effective May 17, 2005. Filed as Exhibit 10.38 to the Corporation's Annual Report on Form 10-K filed on March 2, 2007 (Commission File No. 001-13182) and incorporated herein by reference.
99.3	Riverwood Holding, Inc. Supplemental Long-Term Incentive Plan. Filed as Exhibit 10.15 to Riverwood Holding, Inc.'s Annual Report on Form 10-K filed on March 17, 2000 (Commission File No. 1-11113) and incorporated herein by reference.
99.4	Riverwood Holding, Inc. 2002 Stock Incentive Plan. Filed as Exhibit 10.19 to the Corporation's Annual Report on Form 10-K filed April 15, 2003 (Commission File No. 1-11113) and incorporated herein by reference.
99.5	Amendment No. 1 to Riverwood Holding, Inc. Stock Incentive Plan, Riverwood Holding, Inc. Supplemental Long-Term Incentive Plan and Riverwood Holding, Inc. 2002 Stock Incentive Plan. Filed as Exhibit 10.11 to the Corporation's Quarterly Report on Form 10-Q filed on November 14, 2003 (Commission File No. 001-13182) and incorporated herein by reference.
99.6	2003 Riverwood Holding, Inc. Long-Term Incentive Plan. Filed as Exhibit 10.15 to the Corporation's Registration Statement on Form S-4 (Registration Statement No. 333-104928) filed on May 2, 2003 and incorporated herein by reference.
99.7	Graphic Packaging Equity Incentive Plan, as amended and restated, effective as of March 1, 2001. Filed as Exhibit 10.9 to Graphic Packaging International Corporation's Annual Report on Form 10-K filed on March 23, 2001 (Commission File No. 001-14060) and incorporated herein by reference.
99.8	Graphic Packaging Equity Compensation Plan for Non-Employee Directors, as amended and restated. Filed as Exhibit 10.10 to Graphic Packaging International Corporation's Annual Report on Form 10-K filed on March 23, 2001 (Commission File No. 001-14060) and incorporated herein by reference.

ALSTON&BIRD 11p

One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3424 404-881-7000 Fax: 404-881-7777 www.alston.com

March 10, 2008

Graphic Packaging Holding Company 814 Livingston Court Marietta, Georgia 30067

Re: Post Effective Amendment No. 1 to Form S-4 Registration Statement on Form S-8 filed by Graphic Packaging Holding Company

Ladies and Gentlemen:

We have acted as counsel for Graphic Packaging Holding Company, a Delaware corporation (the "Company"), in connection with the referenced Post Effective Amendment No. 1 to the Registration Statement on Form S-4 on Form S-8 (the "Registration Statement") being filed by the Company with the Securities and Exchange Commission") under the Securities Act of 1933, as amended, (the "Securities Act") and covering 29,248,878 shares of the Company's common stock, par value \$0.01 per share (the "Shares"), that may be issued pursuant to the plans identified on the cover page to the Registration Statement (the "Assumed Plans"), which were assumed by the Company in connection with its merger with Giant Merger Sub, Inc. ("Merger Sub"), pursuant to the Transaction Agreement and Agreement and Plan of Merger dated as of July 9, 2007 by and among Graphic Packaging Corporation, Merger Sub, Bluegrass Container Holdings, LLC, TPG Bluegrass IV, L.P., TPG Bluegrass V — AIV 2, L.P., TPG Holdings, Inc., TPG FOF V-A, L.P., TPG FOF V-B, L.P., BCH Management, LLC and the Company. This Opinion Letter is rendered pursuant to Item 8 of Form S-8 and Item 601(b)(5) of Regulation S-K.

We have examined the Restated Certificate of Incorporation of the Company, the Amended and Restated By-Laws of the Company, records of proceedings of the Board of Directors, or committees thereof, and the stockholders of the Company deemed by us to be relevant to this opinion letter, the Assumed Plans and the Registration Statement. We also have made such further legal and factual examinations and investigations as we deemed necessary for purposes of expressing the opinions set forth herein.

As to certain factual matters relevant to this opinion letter, we have relied conclusively upon originals or copies, certified or otherwise identified to our satisfaction, of such other records, agreements, documents and instruments, including certificates or comparable documents of officers of the Company and of public officials, as we have deemed appropriate as a basis for the opinion hereinafter set forth. Except to the extent expressly set forth herein, we have made no independent investigations with regard to matters of fact, and, accordingly, we do not

express any opinion as to matters that might have been disclosed by independent verification. In our examination of relevant documents, we have assumed the genuineness of all signatures, the legal capacity of all natural persons, the accuracy and completeness of all documents submitted to us, the authenticity of all original documents and the conformity to authentic original documents of all documents submitted to us as copies (including telecopies).

Our opinion set forth below is limited to the General Corporation Law of the State of Delaware, applicable provisions of the Constitution of the State of Delaware and reported judicial decisions interpreting such General Corporation Law and Constitution, and we do not express any opinion herein concerning any other laws.

This opinion letter is provided for use solely in connection with the filing of the Registration Statement and may not be used, circulated, quoted or otherwise relied upon for any other purpose without our express written consent. The only opinion rendered by us consists of those matters set forth in the sixth paragraph hereof, and no opinion may be implied or inferred beyond those expressly stated. Our opinion expressed herein is as of the date hereof, and we undertake no obligation to advise you of any changes in applicable law or any other matters that may come to our attention after the date hereof that may affect our opinion expressed herein.

Based on the foregoing, it is our opinion that the Shares are duly authorized for issuance, and, when issued by the Company in accordance with the terms of the Assumed Plans, will be validly issued, fully paid and non-assessable.

We consent to the filing of this opinion letter as an exhibit to the Registration Statement and to the use of our name wherever appearing in the Registration Statement. In giving such consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission thereunder.

Sincerely,

ALSTON & BIRD LLP

By: /s/ William Scott Ortwein

A Partner

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated February 28, 2008 relating to the financial statements, financial statement schedule and the effectiveness of internal control over financial reporting, which appears in Graphic Packaging Corporation's Annual Report on Form 10-K for the year ended December 31, 2007.

/s/ PricewaterhouseCoopers LLP Atlanta, GA March 7, 2008

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated February 28, 2008 relating to the financial statement, which appears in New Giant Corporation's Annual Report on Form 10-K for the year ended December 31, 2007.

/s/ PricewaterhouseCoopers LLP Atlanta, GA March 7, 2008

Consent of Independent Auditors

We consent to the incorporation by reference in the Registration Statement (Form S-8 No. 333-00000) pertaining to the 2004 Stock and Incentive Compensation Plan, Riverwood Holding, Inc. Stock Incentive Plan, Riverwood Holding, Inc. Stock Incentive Plan, Riverwood Holding, Inc. 2002 Stock Incentive Plan, 2003 Riverwood Holding, Inc. Long-Term Incentive Plan, Graphic Packaging Equity Incentive Plan and Graphic Packaging Non-Employee Director Plan of Graphic Packaging Holding Company of our report dated April 3, 2007, with respect to the consolidated financial statements of Bluegrass Container Holdings, LLC, included in this Form 8-K filed March 10, 2008.

/s/ Ernst & Young LLP March 10, 2008