

NUTRACEA

Form S-3/A

March 28, 2008

As filed with the Securities and Exchange Commission on March 28, 2008

Registration No. 333-148929

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

PRE-EFFECTIVE AMENDMENT NO. 1

TO
Form S-3

REGISTRATION STATEMENT UNDER THE
SECURITIES ACT OF 1933

NUTRACEA
(Name of Registrant in Its Charter)

California
(State or Other Jurisdiction of Incorporation or
Organization)

87-0673375
(I.R.S. Employer Identification No.)

5090 North 40th Street, Fourth Floor, Phoenix, AZ 85018
(602) 522-3000
(Address and Telephone Number of Principal Executive Offices)

Bradley D. Edson
5090 North 40th Street, Fourth Floor, Phoenix, AZ 85018
(602) 522-3000
(Name, Address and Telephone Number of Agent For Service)

Copy to:

Christopher V. Chediak, Esq.
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400 Capitol Mall, 11th Floor, Sacramento, CA 95814
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Approximate Date of Commencement of Proposed Sale to the Public: from time to time after the effective date of this Registration Statement.

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If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box. F

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box. T

If this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. F

If this form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. F

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box. F

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box. F

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 definition of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act:

Large accelerated filer

Accelerated filer

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

Smaller reporting company

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrants shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement relating to these securities that has been filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED MARCH 28, 2008.

PROSPECTUS

\$125,000,000

NutraCea

By this prospectus, we may offer, from time to time

- Common
Stock
- Preferred
Stock
- Warrants
- Depositary
Shares

See "Risk Factors" beginning on page 4 for information you should consider before buying our securities.

Our common stock is quoted on the Over-the-Counter ("OTC") Bulletin Board under the symbol "NTRZ.OB". On March 24, 2008, the last sale price of our common stock on the OTC Bulletin Board was \$0.93 per share.

We will provide specific terms of these securities in supplements to this prospectus. You should read this prospectus and any supplement carefully before you purchase any of our securities.

This prospectus may not be used to offer and sell securities unless accompanied by a prospectus supplement.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

We may offer the securities in amounts, at prices and on terms determined at the time of offering. We may sell the securities directly to you, through agents we select, or through underwriters and dealers we select. If we use agents, underwriters or dealers to sell the securities, we will name them and describe their compensation in a prospectus supplement.

The date of this prospectus is _____, 200_.

TABLE OF CONTENTS

| | Page |
|---|------|
| <u>Summary</u> | 1 |
| <u>Ratio of Earnings to Fixed Charges and Preferred Stock Dividends</u> | 3 |
| <u>Risk Factors</u> | 4 |
| <u>Recent Events</u> | 10 |
| <u>Special Note Regarding Forward-Looking Statements</u> | 12 |
| <u>Use of Proceeds</u> | 13 |
| <u>Description of Common Stock</u> | 14 |
| <u>Description of Preferred Stock</u> | 14 |
| <u>Description of Depositary Shares</u> | 15 |
| <u>Description of Warrants</u> | 18 |
| <u>Plan of Distribution</u> | 20 |
| <u>Legal Matters</u> | 22 |
| <u>Experts</u> | 22 |
| <u>Where You Can Find More Information</u> | 22 |

You should rely only on information contained or incorporated by reference in this prospectus. We have not authorized any person to provide you with information that differs from what is contained or incorporated by reference in this prospectus. If any person does provide you with information that differs from what is contained or incorporated by reference in this prospectus, you should not rely on it. This prospectus is not an offer to sell or the solicitation of an offer to buy any securities other than the securities to which it relates, or an offer of solicitation in any jurisdiction where offers or sales are not permitted. The information contained in this prospectus is accurate only as of the date of this prospectus, even though this prospectus may be delivered or shares may be sold under this prospectus on a later date.

Table of Contents

SUMMARY

The following summary is qualified in its entirety by the more detailed information, including our consolidated financial statements and related notes, included in this prospectus and incorporated in this prospectus by reference. You should carefully consider the information set forth in this entire prospectus, including the “Risk Factors” section, the applicable prospectus supplement for such securities and the other documents we refer to and incorporate by reference, including but not limited to the section entitled “Risk Factors” in our 2007 Annual Report on Form 10-K and in our other filings with the Securities Exchange Commission. Unless the context otherwise requires, the terms “NutraCea,” “Company,” “we,” “us” and “our” refer to NutraCea, a California corporation, and our subsidiaries.

This prospectus is part of a Registration Statement on Form S-3 that we filed with the Securities and Exchange Commission using a “shelf” registration process. Under this shelf process, we may sell any combination of securities described in this prospectus in one or more offerings, up to a total dollar amount of \$125,000,000. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may, along with information that is incorporated by reference as described under the heading “Where You Can Find More Information,” also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement together with additional information described below under the heading “Where You Can Find More Information.”

NutraCea

We are a developer, formulator and distributor of nutraceutical, health, cosmetic and nutrition products using stabilized rice bran and specially formulated rice bran oil. We have also developed dietary products that provide the benefits of stabilized rice bran and rice bran oil as a nutritional supplement for humans and animals. Consumer products are marketed under the TheraFoods® name. Medical supplements are marketed under the NutraCea® name. Products for veterinary and animal use are marketed under the NutraGlo® name. Cosmetics are marketed under the NutraBeautical® name. The RiceX Company, our wholly-owned subsidiary, manufactures and distributes nutritionally dense foods and food ingredients made from stabilized rice bran for supply to the global food manufacturing and equine feed industries.

We originally incorporated on March 18, 1998 in California as Alliance Consumer International, Inc. On December 14, 2001, NTI effected a reorganization with the inactive publicly-held company, Alliance Consumer International, Inc., and the name was changed to NutraStar Incorporated. As a result of the reorganization NTI became a wholly-owned subsidiary of NutraStar Incorporated and NutraStar Incorporated assumed the business of NTI. On October 1, 2003, NutraStar Incorporated changed our name to NutraCea and the common stock began trading on the OTC Bulletin Board under the symbol "NTRZ.OB". On October 4, 2005, we acquired The RiceX Company.

Our principal executive offices are located at 5090 North 40th Street, Fourth Floor, Phoenix, AZ 85018. Our telephone number at that address is (602) 522-3000. Our website is located on the internet at www.nutracea.com. The information contained or incorporated in our website is not part of this registration statement.

The Securities We May Offer

We may offer up to \$125,000,000 of common stock, preferred stock, depositary shares and warrants in one or more offerings and in any combination. A prospectus supplement, which we will provide each time we offer securities, will describe the specific amounts, prices and terms of these securities.

We may sell the securities to or through underwriters, dealers or agents or directly to purchasers. We, as well as any agents acting on our behalf, reserve the sole right to accept and to reject in whole or in part any proposed purchase of securities. Each prospectus supplement will set forth the names of any underwriters, dealers or agents involved in the sale of securities described in that prospectus supplement and any applicable fee, commission or discount arrangements with them.

Table of Contents

Common Stock

We may offer shares of our common stock, no par value per share, either alone or underlying other registered securities convertible into our common stock. Holders of our common stock are entitled to receive dividends declared by our board of directors out of funds legally available for the payment of dividends, subject to rights, if any, of preferred shareholders. Currently, we do not pay a dividend. Each holder of common stock is entitled to one vote per share. The holders of common stock have no preemptive rights.

Preferred Stock and Depositary Shares

We may issue preferred stock in one or more series. Our board of directors or a committee designated by the board will determine the dividend, voting and conversion rights and other provisions at the time of sale. Each series of preferred stock will be more fully described in the particular prospectus supplement that will accompany this prospectus, including redemption provisions, rights if we liquidate, dissolve or wind up, voting rights and rights to convert into common stock. We may also issue fractional shares of preferred stock that will be represented by depositary shares and depositary receipts. Each particular series of depositary shares will be more fully described in the prospectus supplement that will accompany this prospectus.

Warrants

We may issue warrants for the purchase of common stock or preferred stock. We may issue warrants independently or together with other securities.

Table of Contents

RATIO OF EARNINGS TO FIXED CHARGES

Except for the year ended December 31, 2006, our earnings are inadequate to cover fixed charges. The following table sets forth our ratio of earnings to fixed charges, or the deficiency of earnings available to cover fixed charges, as appropriate, for the periods presented. The following table is qualified by the more detailed information and historical financial statements, including the notes to those financial statements, appearing in the computation table found in Exhibit 12.1 to the registration statement on Form S-3 of which this prospectus forms a part or incorporated by reference herein. We have not included a ratio of earnings to combined fixed charges and preferred stock dividends because we do not have any preferred stock outstanding.

NutraCea
Computation of Ratio of Earnings to Fixed Charges and Preferred Stock Dividends
(in thousands)

| | Year Ended December 31, | | | | |
|---|-------------------------|-------------|------------|------|----------|
| | 2003 | 2004 | 2005 | 2006 | 2007 |
| Ratio of earnings to fixed charges (1) | N/A | N/A | N/A | 227 | N/A |
| Deficiency of earnings available to cover fixed charges (1) | \$ (8,227) | \$ (23,554) | \$ (2,976) | —\$ | (11,890) |

(1) In each of the periods presented, except for the year ended December 31, 2006, earnings were insufficient to cover fixed charges.

Table of Contents

RISK FACTORS

Please carefully consider the specific factors set forth below as well as the other information contained in this prospectus before purchasing shares of our common stock. This prospectus contains forward-looking statements that involve risks and uncertainties. Our actual results may differ significantly from the results discussed in the forward-looking statements.

Risks Related to Our Business

We have a limited operating history and have generated losses in each quarter of 2007, except the second, and in each quarter before 2006.

We began operations in February 2000 and incurred losses in each reporting period until the second fiscal quarter of 2006, and we incurred losses in each quarter of 2007 except the second. Our prospects for financial success are difficult to forecast because we have a relatively limited operating history. Our prospects for financial success must be considered in light of the risks, expenses and difficulties frequently encountered by companies in new, unproven and rapidly evolving markets. Our business could be subject to any or all of the problems, expenses, delays and risks inherent in the establishment of a new business enterprise, including limited capital resources, possible delays in product development, possible cost overruns due to price and cost increases in raw product and manufacturing processes, uncertain market acceptance, and inability to respond effectively to competitive developments and attract, retain and motivate qualified employees. Therefore, there can be no assurance that our business or products will be successful, that we will be able to achieve or maintain profitable operations or that we will not encounter unforeseen difficulties that may deplete our capital resources more rapidly than anticipated.

There are significant market risks associated with our business.

We have formulated our business plan and strategies based on certain assumptions regarding the size of the rice bran market, our anticipated share of this market and the estimated price and acceptance of our products. These assumptions are based on the best estimates of our management; however there can be no assurance that our assessments regarding market size, potential market share attainable by us, the price at which we will be able to sell our products, market acceptance of our products or a variety of other factors will prove to be correct. Any future success may depend upon factors including changes in the dietary supplement industry, governmental regulation, increased levels of competition, including the entry of additional competitors and increased success by existing competitors, changes in general economic conditions, increases in operating costs including costs of production, supplies, personnel, equipment, and reduced margins caused by competitive pressures.

We depend on a limited number of customers.

During 2007, we received approximately 59% of product sales revenue from six customers. During 2006, we received approximately 67% of product sales revenue from five customers and approximately 48% of our revenue from one customer. A loss of any of these customers could have a material adverse effect on our revenues and results of operations.

The inability of our significant customers to meet their obligations to us may adversely affect our financial results.

We are subject to credit risk due to concentration of our trade accounts receivables and notes receivables. As of December 31, 2007, 6 customers accounted for 28% of our \$2,346,000 trade accounts receivable and 2 debtors accounted for 81% of \$7,975,000 notes receivables reflected on our December 31, 2007 balance sheet. In addition, we acquired secured promissory notes of Vital Living, Inc. with aggregate principal amounts of \$4,226,000 in connection

with our entering into an asset purchase agreement with Vital Living to acquire Vital Living's assets. While we obtain personal guarantees and security interests backing these obligation when possible, many of these obligations are not guaranteed or secured. The inability of our significant customers and obligors to meet their obligations to us, or, in the case of Vital Living, the deterioration of Vital Living's financial condition or assets before we are able to consummate our asset purchase, may adversely affect our financial condition and results of operations.

4

Table of Contents

We rely upon a limited number of product offerings.

The majority of the products that we have sold as of December 31, 2007 have been based on stabilized rice bran. Although we will market stabilized rice bran as a dietary supplement, as an active food ingredient for inclusion in our products and in other companies' products, and in other ways, a decline in the market demand for our stabilized rice bran products, as well as the products of other companies utilizing our stabilized rice bran products, could have a significant adverse impact on us.

We are dependent upon our marketing efforts.

We are dependent on our ability to market products to animal food producers, food manufacturers, mass merchandise and health food retailers, and to other companies for use in their products. We must increase the level of awareness of dietary supplements in general and our products in particular. We will be required to devote substantial management and financial resources to these marketing and advertising efforts and there can be no assurance that it will be successful.

We rely upon an adequate supply of raw rice bran.

All of our current products depend on our proprietary technology using unstabilized or raw rice bran, which is a by-product from milling paddy rice to white rice. Our ability to manufacture stabilized rice bran raw is currently limited to the production capability of our production equipment at Farmers' Rice Co-operative, Archer Daniels Midland, our own plants located next to the Louisiana Rice Mill in Mermentau, LA, and American Rice, Inc. in Freeport, TX, and our single value-added products plant in Dillon, Montana. We currently are capable of producing enough finished products at our facilities to meet current demand. With the exception of our new rice oil facility in Pelotas, Brazil, our existing facilities do not allow for dramatic expansion of product demand, therefore additional production capacity is needed. While we believe our facilities should meet our production needs for 2008, but we do not anticipate that they will meet our longer term supply needs. Therefore, we anticipate building new facilities to meet the forecasted demand for our products and envision we will be able to execute on this initiative. In the event we are unable to create additional production capacity to produce more stabilized rice bran products to fulfill our current and future requirements this could materially and adversely affect our business, results from operations, and financial condition.

We are pursuing other supply sources in the United States and in foreign countries and anticipate being able to secure alternatives and back-up sources of rice bran, however, there can be no assurance that we will continue to secure adequate sources of raw rice bran to meet our requirements to produce stabilized rice bran products. Since rice bran has a limited shelf life, the supply of rice bran is affected by the amount of rice planted and harvested each year. If economic or weather conditions adversely affect the amount of rice planted or harvested, the cost of rice bran products that we use may increase. We are not generally able to immediately pass cost increases to our customers and any increase in the cost of stabilized rice bran products would have an adverse effect on our results of operations.

We intend to pursue significant foreign operations and there are inherent risks in operating abroad.

An important component of our business strategy is to build rice bran stabilization facilities in foreign countries and to market and sell our products internationally. For example, we recently entered into a joint venture with an Indonesian company to produce and market our SRB products in Southeast Asia and purchased a company in Brazil that manufactures rice bran oil. There are risks in operating stabilization facilities in developing countries because, among other reasons, we may be unable to attract sufficient qualified personnel, intellectual property rights may not be enforced as we expect, power may not be available as contemplated. Should any of these risks occur, we may be unable to maximize the output from these facilities and our financial results may decrease from our anticipated levels.

The inherent risks of international operations could materially adversely affect our business, financial condition and results of operations. The types of risks faced in connection with international operations and sales include, among others:

- cultural differences in the conduct of business;
- fluctuations in foreign exchange rates;
- greater difficulty in accounts receivable collection and longer collection periods;

Table of Contents

- impact of recessions in economies outside of the United States;
- reduced protection for intellectual property rights in some countries;
 - unexpected changes in regulatory requirements;
 - tariffs and other trade barriers;
 - political conditions in each country;
- management and operation of an enterprise spread over various countries;
- the burden and administrative costs of complying with a wide variety of foreign laws; and
 - currency restrictions.

We have identified material weaknesses in our internal control over financial reporting, which could impact negatively our ability to report our results of operations and financial condition accurately and in a timely manner.

As required by Section 404 of the Sarbanes-Oxley Act of 2002, management has conducted an evaluation of the effectiveness of our internal control over financial reporting at December 31, 2007. We identified two material weaknesses in our internal control over financial reporting and concluded that, as of December 31, 2007, we did not maintain effective control over financial reporting based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission. For a detailed description of these material weaknesses, see “Recent Events” above. Each of our material weaknesses results in reasonable possibility that a material misstatement of the annual or interim financial statements that we prepare will not be prevented or detected on a timely basis. As a result, we must perform additional work to obtain reasonable assurance regarding the reliability of our financial statements.

If we are unsuccessful in implementing or following our remediation plan, or fail to update our internal control over financial reporting as our business evolves or to integrate acquired businesses into our controls system, we may not be able to timely or accurately report our financial condition, results of operations or cash flows or to maintain effective disclosure controls and procedures. If we are unable to report financial information in a timely and accurate manner or to maintain effective disclosure controls and procedures, we could be subject to, among other things, regulatory or enforcement actions by the SEC, securities litigation and a general loss of investor confidence, any one of which could adversely affect our business prospects and the market value of our common stock.

We face competition.

Competition in our targeted industries, including nutraceuticals, functional food ingredients, rice bran oils, animal feed supplements and companion pet food ingredients is vigorous, with a large number of businesses engaged in the various industries. Many of our competitors have established reputations for successfully developing and marketing their products, including products that incorporate bran from other cereal grains and other alternative ingredients that are widely recognized as providing similar benefits as rice bran. In addition, many of our competitors have greater financial, managerial, and technical resources than us. If we are not successful in competing in these markets, we may not be able to attain our business objectives.

We may face difficulties integrating businesses that we acquire.

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As part of our strategy, we expect to review opportunities to buy other businesses or technologies that would complement its current products, expand the breadth of its markets or enhance technical capabilities, or that may otherwise offer growth opportunities. In the event of any future acquisitions, we could:

- issue stock that would dilute current shareholders' percentage ownership;
 - incur debt; or
 - assume liabilities.

Table of Contents

These purchases also involve numerous risks, including:

- problems combining the purchased operations, technologies or products;
- unanticipated costs;
- diversion of management's attention from our core business;
- adverse effects on existing business relationships with suppliers and customers;
- risks associated with entering markets in which we have no or limited prior experience; and
- potential loss of key employees of purchased organizations.

We cannot assure you that we will be able to successfully integrate any businesses, products, technologies or personnel that we might purchase in the future.

We Have Not Yet Achieved Positive Cash Flow

We have not generated a positive cash flow from operations continuous period to period since commencing operations and have relied primarily on cash raised from private offerings of our securities to fund capital investments and acquisitions. For example, we raised in private placements of equity approximately \$50,000,000 in a February 2007, \$17,560,000 in May 2006, and \$8,000,000 in October 2005. While we believe that we have adequate cash reserves and working capital to fund current operations, our ability to meet long term business objectives may be dependent upon our ability to raise additional financing through public or private equity financings, establish increasing cash flow from operations, enter into collaborative or other arrangements with corporate sources, or secure other sources of financing to fund long-term operations. There is no assurance that external funds will be available on terms acceptable to us in sufficient amount to finance operations until we do reach sufficient positive cash flow to fund our capital expenditures. In addition, any issuance of securities to obtain such funds would dilute percentage ownership of our shareholders. Such dilution could also have an adverse impact on our earnings per share and reduce the price of our common stock. Incurring additional debt may involve restrictive covenants and increased interest costs and demand on future cash flow. Our inability to obtain sufficient financing may require us to delay, scale back or eliminate some or all of our product development and marketing programs.

Our products could fail to meet applicable regulations which could have a material adverse affect on our financial performance.

The dietary supplement and cosmetic industries are subject to considerable government regulation, both as to efficacy as well as labeling and advertising. There is no assurance that all of our products and marketing strategies will satisfy all of the applicable regulations of the Dietary Supplement, Health and Education Act, the Food, Drug and Cosmetic Act, the U.S. Food and Drug Administration and/or the U.S. Federal Trade Commission. Failure to meet any applicable regulations would require us to limit the production or marketing of any non-compliant products or advertising, which could subject us to financial or other penalties.

Our success depends in part on our ability to obtain patents, licenses and other intellectual property rights for our products and technology.

We have one patent entitled Methods for Treating Joint Inflammation, Pain and Loss of Mobility, which covers both humans and mammals. In addition, our subsidiary RiceX has five United States patents and may decide to file

corresponding international applications. RiceX holds patents to the production of Beta Glucan and to a micro nutrient enriched rice bran oil process. RiceX also holds patents to a method to treat high cholesterol, to a method to treat diabetes and to a process for producing Higher Value Fractions from stabilized rice bran. We also have filed a number of provisional patent applications for our technology. The process of seeking patent protection may be long and expensive, and there can be no assurance that patents will be issued, that we will be able to protect our technology adequately, or that competition will not be able to develop similar technology.

Table of Contents

There currently are no claims or lawsuits pending or threatened against us or RiceX regarding possible infringement claims, but there can be no assurance that infringement claims by third parties, or claims for indemnification resulting from infringement claims, will not be asserted in the future or that such assertions, if proven to be accurate, will not have a material adverse affect on our business, financial condition and results of operations. In the future, litigation may be necessary to enforce our patents, to protect our trade secrets or know-how or to defend against claimed infringement of the rights of others and to determine the scope and validity of the proprietary rights of others. Any litigation could result in substantial cost and diversion of our efforts, which could have a material adverse affect on our financial condition and results of operations. Adverse determinations in any litigation could result in the loss of our proprietary rights, subjecting us to significant liabilities to third parties, require us to seek licenses from third parties or prevent us from manufacturing or selling our systems, any of which could have a material adverse affect on our financial condition and results of operations. There can be no assurance that a license under a third party's intellectual property rights will be available to us on reasonable terms, if at all.

We are dependent on key employees and consultants.

Our success depends upon the efforts of our top management team, including the efforts of Bradley D. Edson, our President and Chief Executive Officer, Todd C. Crow, our Chief Financial Officer, Leo Gingras, our Chief Operating Officer, Margie D. Adelman, our Secretary and Senior Vice President and Kody K. Newland, our Senior Vice President of Sales and Marketing. Although we have written employment agreements with each of the foregoing individuals other than Ms. Adelman, there is no assurance that such individuals will not die, become disabled or resign. In addition, our success is dependent upon our ability to attract and retain key management persons for positions relating to the marketing and distribution of our products. There is no assurance that we will be able to recruit and employ such executives at times and on terms acceptable to us.

Our products may require clinical trials to establish efficacy and safety.

Certain of our products may require clinical trials to establish our benefit claims or their safety and efficacy. Such trials can require a significant amount of resources and there is no assurance that such trials will be favorable to the claims we make for our products, or that the cumulative authority established by such trials will be sufficient to support our claims. Moreover, both the findings and methodology of such trials are subject to challenge by the FDA and scientific bodies. If the findings of our trials are challenged or found to be insufficient to support our claims, additional trials may be required before such products can be marketed.

Risks Related to Our Stock

Our Stock Price is Volatile.

The market price of a share of our common stock has fluctuated significantly in the past and may continue to fluctuate significantly in the future. The high and low closing sales prices of a share of our common stock for the following periods were:

| | High | Low |
|---------------------------------------|---------|---------|
| Twelve months ended December 31, 2007 | \$ 5.00 | \$ 0.75 |
| Twelve months ended December 31, 2006 | \$ 2.74 | \$ 0.60 |
| Twelve months ended December 31, 2005 | \$ 1.81 | \$ 0.30 |

- announcements of new products or product enhancements by us or our competitors;

- fluctuations in our quarterly or annual operating results;
- developments in our relationships with customers and suppliers;
- the loss of services of one or more of our executive officers or other key employees;

Table of Contents

- announcements of technological innovations or new systems or enhancements used by us or its competitors;
 - developments in our or our competitors intellectual property rights;
 - adverse effects to our operating results due to impairment of goodwill;
 - failure to meet the expectation of securities analysts' or the public; and
 - general economic and market conditions.

We have significant "equity overhang" which could adversely affect the market price of our common stock and impair our ability to raise additional capital through the sale of equity securities.

As of January 11, 2008, we had approximately 144,398,545 shares of common stock outstanding. Additionally, as of January 11, 2008, options and warrants to purchase a total of approximately 43,423,697 shares of our common stock were outstanding. The possibility that substantial amounts of our outstanding common stock may be sold by investors or the perception that such sales could occur, often called "equity overhang," could adversely affect the market price of our common stock and could impair our ability to raise additional capital through the sale of equity securities in the future.

Sales of Our Stock Pursuant to Registration Statements May Hurt Our Stock Price

We granted registration rights to the investors in our October 2005, May 2006 and February 2007 capital stock and warrant financings. As of January 11, 2008, a total of approximately 25,472,894 shares of our common stock remained eligible for resale pursuant to outstanding registration statements filed for investors. Sales or potential sales of a significant number of shares into the public markets may negatively affect our stock price.

The Exercise of Outstanding Options and Warrants May Dilute Current Shareholders

As of January 11, 2008, there were outstanding options and warrants to purchase a total of 43,423,697 shares of our common stock. Holders of these options and warrants may exercise them at a time when we would otherwise be able to obtain additional equity capital on terms more favorable to us. Moreover, while these options and warrants are outstanding, our ability to obtain financing on favorable terms may be adversely affected.

We may need to raise funds through debt or equity financings in the future, which would dilute the ownership of our existing shareholders and possibly subordinate certain of their rights to the rights of new investors.

We may choose to raise additional funds in debt or equity financings if they are available to us on terms we believe reasonable to increase our working capital, strengthen our financial position or to make acquisitions. Any sales of additional equity or convertible debt securities would result in dilution of the equity interests of our existing shareholders, which could be substantial. Additionally, if we issue shares of preferred stock or convertible debt to raise funds, the holders of those securities might be entitled to various preferential rights over the holders of our common stock, including repayment of their investment, and possibly additional amounts, before any payments could be made to holders of our common stock in connection with an acquisition of the company. Such preferred shares, if authorized, might be granted rights and preferences that would be senior to, or otherwise adversely affect, the rights and the value of our common stock. Also, new investors may require that we and certain of our shareholders enter into voting arrangements that give them additional voting control or representation on our board of directors.

The authorization of our preferred stock may have an adverse effect on the rights of holders of our common stock.

We may, without further action or vote by holders of our common stock, designate and issue shares of our preferred stock. The terms of any series of preferred stock could adversely affect the rights of holders of our common stock and thereby reduce the value of our common stock. The designation and issuance of preferred stock favorable to current management or shareholders could make it more difficult to gain control of our Board of Directors or remove our current management and may be used to defeat hostile bids for control which might provide shareholders with premiums for their shares.

Table of Contents

Compliance with corporate governance and public disclosure regulations may result in additional expenses.

Changing laws, regulations and standards relating to corporate governance and public disclosure, including the Sarbanes-Oxley Act of 2002, and new regulations issued by the Securities and Exchange Commission, are creating uncertainty for companies. In order to comply with these laws, we may need to invest substantial resources to comply with evolving standards, and this investment would result in increased general and administrative expenses and a diversion of management time and attention from revenue-generating activities to compliance activities.

Our officers and directors have limited liability and have indemnification rights

Our Articles of Incorporation and by-laws provide that we may indemnify our officers and directors against losses sustained or liabilities incurred which arise from any transaction in that officer's or director's respective managerial capacity unless that officer or director violates a duty of loyalty, did not act in good faith, engaged in intentional misconduct or knowingly violated the law, approved an improper dividend, or derived an improper benefit from the transaction.

RECENT EVENTS

Internal Controls and Procedures. As previously disclosed in our annual report on Form 10-K for the year ended December 31, 2007, we identified two material weaknesses in our internal control over financial reporting as of December 31, 2007. Solely based upon these material weaknesses, our management concluded that as of December 31, 2007 we did not maintain effective internal control over financial reporting based on the criteria established in Internal Control— Integrated Framework, issued by the Committee of Sponsoring Organizations of the Treadway Commission. A material weakness is a deficiency, or combination of deficiencies, in internal control over financial reporting such that there is a reasonable possibility that a material misstatement of the annual or interim financial statements will not be prevented or detected on a timely basis. The material weakness that we reported related to the inadequacy of our procedures for (i) hiring third-party financial and valuation experts and (ii) timely analyzing and reviewing the accounting treatment of significant and complex transactions. Notwithstanding the existence of these material weaknesses, we concluded that the consolidated financial statements contained in our annual report on Form 10-K for 2007 presented fairly, in all material respects, our consolidated financial condition as of December 31, 2007 and 2006, and consolidated results of its operations and cash flows for the years ended December 31, 2007, 2006 and 2005, in conformity with U.S. generally accepted accounting principles.

We have actively engaged in the development and implementation of a remediation plan to address the material weaknesses in internal controls over financial reporting and oversight thereof as of December 31, 2007.

1. For the material weakness concerning retention of experts, we have developed a written policy and procedures that document the processes relating to retention of expert service providers for assistance with valuations and significant financial transactions of NutraCea. Included in the process is an analysis to verify and document the extent of any past relationships with the service providers and to confirm the lack of apparent conflicts of interest. Since December 31, 2007, we have revised these procedures as follows:

- For transactions or valuations with aggregate amounts ranging from two to five percent of net equity (“Reporting Threshold”), management will report to the Board of Directors the retention and qualifications of selected experts.
- For transactions or valuations with aggregate values greater than five percent of net equity (“Approval Threshold”), management will report to the Board of Directors its recommendation for the retention of experts and seek approval to retain expert service providers.

Our expert retention policy in effect as of December 31, 2007 (i) did not apply to the engagement of experts for the purpose of providing valuation and (ii) maintained a Reporting Threshold of five to ten percent of net equity and an Approval Threshold of over ten percent of net equity. These percentage thresholds will be monitored and revised as appropriate.

Table of Contents

2. For the material weakness concerning performing timely, comprehensive review of financial transactions, we have developed the following remediation plan that will enhance our current policies and procedures:

- Assess and evaluate our chief executive officer's authorization thresholds to enter into agreements that has been delegated by our board of directors and make appropriate recommendations. Additionally, we will recommended that our board of directors expand its documentation requirements and receive analysis from our chief financial officer and chief operating officer when reviewing proposed transactions.
- Continue to enhance and improve month-end and quarter-end closing procedures by having reviewers analyze and monitor financial information in a consistent and thorough manner. We plan to continue to enhance and improve the documentation and review of required information associated with the preparation of our quarterly and annual filings.
- Perform SAB 104 analysis of significant revenue transactions in excess of \$100,000 per customer per quarter, or over \$250,000 in any one year to assess if collectibility is reasonable assured and to ensure proper period revenue recognition.
- Prepare accounting memos within twenty days after the end of each quarter analyzing our allowance for doubtful accounts for all accounts receivable that exceed ten percent of our total accounts receivable.
- Prepare accounting memos to summarize all significant transactions and the accounting treatment therefore within forty days after the completion of such transactions.

We recognize that continued improvement in our internal controls is necessary and are committed to continuing our significant investments as necessary to make these improvements in our internal controls over financial reporting.

Table of Contents

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

Some of the statements in this prospectus and in any prospectus supplement we may file constitute “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These statements relate to future events concerning our business and to our future revenues, operating results, and financial condition. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “could,” “would,” “should,” “expect,” “plan,” “anticipate,” “intend,” “believe,” “estimate,” “forecast,” “potential,” or “continue” or the negative of those terms or other comparable terminology.

Any forward looking statements contained in this prospectus or any prospectus supplement are only estimates or predictions of future events based on information currently available to our management and management’s current beliefs about the potential outcome of future events. Whether these future events will occur as management anticipates, whether we will achieve our business objectives, and whether our revenues, operating results, or financial condition will improve in future periods are subject to numerous risks. The section of this prospectus captioned “Risk Factors,” beginning on page 4, provides a summary of various risks that could cause our actual results or future financial condition to differ materially from forward-looking statements made in this prospectus. The factors discussed in this section are not intended to represent a complete list of all the factors that could adversely affect our business, revenues, operating results, or financial condition. Other factors that we have not considered may also have an adverse effect on our business, revenues, operating results, or financial condition, and the factors we have identified could affect us to a greater extent than we currently anticipate. Before making any investment in our securities, we encourage you to carefully read the information contained under the caption “Risk Factors,” as well the other information contained in this prospectus and any prospectus supplement we may file.

Table of Contents

USE OF PROCEEDS

Unless otherwise indicated in the prospectus supplement, the net proceeds from the sale of securities offered by this prospectus will be used for general corporate purposes and working capital requirements. We may also use a portion of the net proceeds to fund possible investments in and acquisitions of complementary businesses, partnerships, minority investments, products or technologies. Currently, there are no commitments or agreements regarding such acquisitions or investments that are material. Pending their ultimate use, we intend to invest the net proceeds in direct obligations of the U.S. Treasury, including treasury bills, notes and bonds, federal agency securities, corporate securities, including commercial paper and corporate debt instruments, short-term tax exempt securities, auction rate preferred stocks or bonds, and money market funds, all with maturities that generally do not exceed 12 months from the date of settlement.

Table of Contents

DESCRIPTION OF COMMON STOCK

We are authorized to issue up to 350,000,000 shares of common stock, no par value. The following is a summary of the material provisions of the common stock contained in our certificate of incorporation and bylaws. For more information about our common stock, please refer to our articles of incorporation and bylaws.

Subject to preferences that may be applicable to any outstanding preferred stock, the holders of common stock are entitled to receive ratably dividends, if any, as may be declared from time to time by the board of directors out of funds legally available for that purpose. In the event of our liquidation, dissolution or winding up, whether voluntary or involuntary, the holders of common stock are entitled to share ratably in all assets remaining after payment of liabilities, subject to prior distribution rights of preferred stock, if any, then outstanding. The common stock has no preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions applicable to the common stock. All outstanding shares of common stock are fully paid and nonassessable, and the shares of common stock to be issued upon the closing of this offering will be fully paid and nonassessable.

The holders of common stock are entitled to one vote per share on all matters to be voted upon by the shareholders. Under certain circumstances, California law permits the holders of NutraCea common stock to cumulate their votes for the election of directors, in which case holders of less than a majority of the outstanding shares of NutraCea common stock could elect one or more of NutraCea's directors. Holders of NutraCea common stock have no preemptive, subscription, or redemption rights. The outstanding shares of NutraCea common stock are fully paid and nonassessable. The rights and privileges of holders of NutraCea common stock are subject to, and may be adversely affected by, the rights of holders of shares of NutraCea preferred stock that NutraCea may designate and issue in the future.

Transfer Agent

The transfer agent for our common stock is American Stock Transfer & Trust. Its address is 59 Maiden Lane, Plaza Level, New York, NY 10038, and its telephone number is (212) 936-5100.

Listing

Our common stock trades on the OTC Bulletin Board under the symbol "NTRZ.OB".

DESCRIPTION OF PREFERRED STOCK

We are authorized to issue up to 20,000,000 shares of preferred stock, no par value, of which 3,000,000 shares are designated Series A Convertible Preferred Stock, 25,000 shares are designated Series B Convertible Preferred Stock and 25,000 shares are designated Series C Convertible Preferred Stock. No shares of our preferred stock are outstanding.

The following description of preferred stock and the description of the terms of a particular series of preferred stock that will be set forth in the related prospectus supplement are not complete. These descriptions are qualified in their entirety by reference to the certificate of determination relating to that series. The rights, preferences, privileges and restrictions of the preferred stock of each series will be fixed by the certificate of determination relating to that series. The prospectus supplement also will contain a description of certain United States federal income tax consequences relating to the purchase and ownership of the series of preferred stock that is described in the prospectus supplement.

Undesignated Preferred Stock

Pursuant to our articles of incorporation, our board of directors has the authority without further action by our shareholders to issue one or more additional series of preferred stock. Our board of directors is authorized to issue preferred stock in one or more series and to fix the rights, preferences, privileges, qualifications, limitations and restrictions thereof, including dividend rights and rates, conversion rights, voting rights, terms of redemption, redemption prices, liquidation preferences and the number of shares constituting any series or the designation of such series, without any vote or action by our shareholders. Any preferred stock to be issued could rank prior to our common stock with respect to dividend rights and rights on liquidation. Our board of directors, without shareholder approval, may issue preferred stock with voting and conversion rights which could adversely affect the voting power of holders of NutraCea common stock and discourage, delay or prevent a change in control of NutraCea.

Table of Contents

The issuance of preferred stock, while providing desirable flexibility in connection with possible acquisitions and other corporate purposes, could have the effect of delaying, deferring or preventing a change in control without further action by our shareholders and may adversely affect the market price of, and the voting and other rights of, the holders of our common stock.

The prospectus supplement with respect to any issuance of preferred stock will specify:

- the maximum number of shares;
- the designation of the shares;

the annual dividend rate, if any, whether the dividend rate is fixed or variable, the date dividends will accrue, the dividend payment dates, and whether dividends will be cumulative;

the price and the terms and conditions for redemption, if any, including redemption at our option or at the option of the holders, including the time period for redemption, and any accumulated dividends or premiums;

the liquidation preference, if any, and any accumulated dividends upon the liquidation, dissolution or winding up of our affairs;

any sinking fund or similar provision, and, if so, the terms and provisions relating to the purpose and operation of the fund;

the terms and conditions, if any, for conversion or exchange of shares of any other class or classes of our capital stock or any series of any other class or classes, or of any other series of the same class, or any other securities or assets, including the price or the rate of conversion or exchange and the method, if any, of adjustment;

- the voting rights; and

any or all other preferences and relative, participating, optional or other special rights, privileges or qualifications, limitations or restrictions.

Preferred stock, if any, will be fully paid and nonassessable upon issuance.

DESCRIPTION OF THE DEPOSITARY SHARES

General

At our option, we may elect to offer fractional shares of preferred stock, rather than full shares of preferred stock. If we do elect to offer fractional shares of preferred stock, we will issue to the public receipts for depositary shares and each of these depositary shares will represent a fraction of a share of a particular series of preferred stock, as specified in the applicable prospectus supplement. Each owner of a depositary share will be entitled, in proportion to the applicable fractional interest in shares of preferred stock underlying that depositary share, to all rights and preferences of the preferred stock underlying that depositary share. These rights may include dividend, voting, redemption and liquidation rights.

The shares of preferred stock underlying the depositary shares will be deposited with a bank or trust company selected by us to act as depositary, under a deposit agreement between us, the depositary and the holders of the depositary receipts. The depositary will be the transfer agent, registrar and dividend disbursing agent for the depositary shares.

Table of Contents

The depositary shares will be evidenced by depositary receipts issued pursuant to the depositary agreement. Holders of depositary receipts agree to be bound by the deposit agreement, which requires holders to take certain actions such as filing proof of residence and paying certain charges.

The summary of terms of the depositary shares contained in this prospectus is not complete. You should refer to the forms of the deposit agreement, our certificate of incorporation and the certificate of designation for the applicable series of preferred stock that are, or will be, filed with the SEC.

Dividends

The depositary will distribute cash dividends or other cash distributions, if any, received in respect of the series of preferred stock underlying the depositary shares to the record holders of depositary receipts in proportion to the number of depositary shares owned by those holders on the relevant record date. The relevant record date for depositary shares will be the same date as the record date for the preferred stock.

In the event of a distribution other than in cash, the depositary will distribute property received by it to the record holders of depositary receipts that are entitled to receive the distribution, unless the depositary determines that it is not feasible to make the distribution. If this occurs, the depositary, with our approval, may adopt another method for the distribution, including selling the property and distributing the net proceeds to the holders.

Liquidation Preference

If a series of preferred stock underlying the depositary shares has a liquidation preference, in the event of our voluntary or involuntary liquidation, dissolution or winding up, holders of depositary shares will be entitled to receive the fraction of the liquidation preference accorded each share of the applicable series of preferred stock, as set forth in the applicable prospectus supplement.

Redemption

If a series of preferred stock underlying the depositary shares is subject to redemption, the depositary shares will be redeemed from the proceeds received by the depositary resulting from the redemption, in whole or in part, of the preferred stock held by the depositary. Whenever we redeem any preferred stock held by the depositary, the depositary will redeem, as of the same redemption date, the number of depositary shares representing the preferred stock so redeemed. The depositary will mail the notice of redemption to the record holders of the depositary receipts promptly upon receiving the notice from us and no fewer than 20 nor more than 60 days, unless otherwise provided in the applicable prospectus supplement, prior to the date fixed for redemption of the preferred stock.

Voting

Upon receipt of notice of any meeting at which the holders of preferred stock are entitled to vote, the depositary will mail the information contained in the notice of meeting to the record holders of the depositary receipts underlying the preferred stock. Each record holder of those depositary receipts on the record date will be entitled to instruct the depositary as to the exercise of the voting rights pertaining to the amount of preferred stock underlying that holder's depositary shares. The record date for the depositary will be the same date as the record date for the preferred stock. The depositary will try, as far as practicable, to vote the preferred stock underlying the depositary shares in accordance with these instructions. We will agree to take all action that may be deemed necessary by the depositary in order to enable the depositary to vote the preferred stock in accordance with these instructions. The depositary will not vote the preferred stock to the extent that it does not receive specific instructions from the holders of depositary receipts.

Withdrawal of Preferred Stock

Owners of depositary shares will be entitled to receive upon surrender of depositary receipts at the principal office of the depositary and payment of any unpaid amount due to the depositary, the number of whole shares of preferred stock underlying their depositary shares.

16

Table of Contents

Partial shares of preferred stock will not be issued. Holders of preferred stock will not be entitled to deposit the shares under the deposit agreement or to receive depositary receipts evidencing depositary shares for the preferred stock.

Amendment and Termination of the Deposit Agreement

The form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement may be amended by agreement between the depositary and us. However, any amendment which materially and adversely alters the rights of the holders of depositary shares, other than fee changes, will not be effective unless the amendment has been approved by at least a majority of the outstanding depositary shares. The deposit agreement may be terminated by the depositary or us only if:

- all outstanding depositary shares have been redeemed; or
- there has been a final distribution of the preferred stock in connection with our dissolution and such distribution has been made to all the holders of depositary shares.

Charges of Depositary

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangement. We will also pay charges of the depositary in connection with:

- the initial deposit of the preferred stock;
- the initial issuance of the depositary shares;
- any redemption of the preferred stock; and
- all withdrawals of preferred stock by owners of depositary shares.

Holders of depositary receipts will pay transfer, income and other taxes and governmental charges and other specified charges as provided in the deposit agreement for their accounts. If these charges have not been paid, the depositary may:

- refuse to transfer depositary shares;
- withhold dividends and distributions; and
- sell the depositary shares evidenced by the depositary receipt.

Miscellaneous

The depositary will forward to the holders of depositary receipts all reports and communications we deliver to the depositary that we are required to furnish to the holders of the preferred stock. In addition, the depositary will make available for inspection by holders of depositary receipts at the principal office of the depositary, and at such other places as it may from time to time deem advisable, any reports and communications we deliver to the depositary as the holder of preferred stock.

Neither the depositary nor we will be liable if either the depositary or we are prevented or delayed by law or any circumstance beyond the control of either the depositary or us in performing our respective obligations under the

deposit agreement. Our obligations and the depositary's obligations will be limited to the performance in good faith of our or the depositary's respective duties under the deposit agreement. Neither the depositary nor we will be obligated to prosecute or defend any legal proceeding in respect of any depositary shares or preferred stock unless satisfactory indemnity is furnished. The depositary and we may rely on:

- written advice of counsel or accountants;
- information provided by holders of depositary receipts or other persons believed in good faith to be competent to give such information; and
- documents believed to be genuine and to have been signed or presented by the proper party or parties.

Table of Contents

Resignation and Removal of Depositary

The depositary may resign at any time by delivering a notice to us. We may remove the depositary at any time. Any such resignation or removal will take effect upon the appointment of a successor depositary and its acceptance of such appointment. The successor depositary must be appointed within 60 days after delivery of the notice for resignation or removal. The successor depositary must be a bank and trust company having its principal office in the United States of America and having a combined capital and surplus of at least \$50,000,000.

Federal Income Tax Consequences

Owners of the depositary shares will be treated for U.S. federal income tax purposes as if they were owners of the preferred stock underlying the depositary shares. As a result, owners will be entitled to take into account for U.S. federal income tax purposes any deductions to which they would be entitled if they were holders of such preferred stock. No gain or loss will be recognized for U.S. federal income tax purposes upon the withdrawal of preferred stock in exchange for depositary shares. The tax basis of each share of preferred stock to an exchanging owner of depositary shares will, upon such exchange, be the same as the aggregate tax basis of the depositary shares exchanged. The holding period for preferred stock in the hands of an exchanging owner of depositary shares will include the period during which such person owned such depositary shares.

DESCRIPTION OF THE WARRANTS

We may issue warrants for the purchase of our common stock or preferred stock or any combination thereof. Warrants may be issued independently or together with our common stock or preferred stock and may be attached to or separate from any offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a bank or trust company, as warrant agent. The warrant agent will act solely as our agent in connection with the warrants. The warrant agent will not have any obligation or relationship of agency or trust for or with any holders or beneficial owners of warrants. This summary of certain provisions of the warrants is not complete. For the terms of a particular series of warrants, you should refer to the prospectus supplement for that series of warrants and the warrant agreement for that particular series.

The prospectus supplement relating to a particular series of warrants to purchase our common stock or preferred stock will describe the terms of the warrants, including the following:

- the title of the warrants;
- the offering price for the warrants, if any;
- the aggregate number of the warrants;

the designation and terms of the common stock or preferred stock that may be purchased upon exercise of the warrants;

if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each security;

if applicable, the date from and after which the warrants and any securities issued with the warrants will be separately transferable;

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the number of shares of common stock or preferred stock that may be purchased upon exercise of a warrant and the exercise price for the warrants;

- the dates on which the right to exercise the warrants shall commence and expire;
- if applicable, the minimum or maximum amount of the warrants that may be exercised at any one time;
- the currency or currency units in which the offering price, if any, and the exercise price are payable;

Table of Contents

- if applicable, a discussion of material U.S. federal income tax considerations;
 - the antidilution provisions of the warrants, if any;
 - the redemption or call provisions, if any, applicable to the warrants;
- any provisions with respect to holder's right to require us to repurchase the warrants upon a change in control; and
- any additional terms of the warrants, including terms, procedures, and limitations relating to the exchange, exercise and settlement of the warrants.

Holders of equity warrants will not be entitled to:

- vote, consent or receive dividends;
- receive notice as shareholders with respect to any meeting of shareholders for the election of our directors or any other matter; or
- exercise any rights as shareholders of NutraCea.

Table of Contents

PLAN OF DISTRIBUTION

We may sell the securities offered through this prospectus (i) to or through underwriters or dealers, (ii) directly to purchasers, including our affiliates, (iii) through agents, or (iv) through a combination of any these methods. The securities may be distributed at a fixed price or prices, which may be changed, market prices prevailing at the time of sale, prices related to the prevailing market prices, or negotiated prices. The prospectus supplement will include the following information:

- the terms of the offering;
- the names of any underwriters or agents;
- the name or names of any managing underwriter or underwriters;
 - the purchase price of the securities;
 - the net proceeds from the sale of the securities;
 - any delayed delivery arrangements;
- any underwriting discounts, commissions and other items constituting underwriters' compensation;
 - any discounts or concessions allowed or reallocated or paid to dealers; and
 - any commissions paid to agents.

Sale Through Underwriters or Dealers

If underwriters are used in the sale, the underwriters will acquire the securities for their own account, including through underwriting, purchase, security lending or repurchase agreements with us. The underwriters may resell the securities from time to time in one or more transactions, including negotiated transactions. Underwriters may sell the securities in order to facilitate transactions in any of our other securities (described in this prospectus or otherwise), including other public or private transactions and short sales. Underwriters may offer securities to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. Unless otherwise indicated in the prospectus supplement, the obligations of the underwriters to purchase the securities will be subject to certain conditions, and the underwriters will be obligated to purchase all the offered securities if they purchase any of them. The underwriters may change from time to time any initial public offering price and any discounts or concessions allowed or reallocated or paid to dealers.

If dealers are used in the sale of securities offered through this prospectus, we will sell the securities to them as principals. They may then resell those securities to the public at varying prices determined by the dealers at the time of resale. The prospectus supplement will include the names of the dealers and the terms of the transaction.

Direct Sales and Sales Through Agents

We may sell the securities offered through this prospectus directly. In this case, no underwriters or agents would be involved. Such securities may also be sold through agents designated from time to time. The prospectus supplement will name any agent involved in the offer or sale of the offered securities and will describe any commissions payable to the agent. Unless otherwise indicated in the prospectus supplement, any agent will agree to use its reasonable best

efforts to solicit purchases for the period of its appointment. In no event will any agent receive commissions in excess of 8% unless otherwise expressly permitted by FINRA Rule 2710. Further, any warrants issued to agents as part of their compensation for placing any of our securities under this Prospectus will comply with FINRA Rule 2710(g)(1) in that such warrant will not be exercisable for 6 months following the closing date of any offering nor will it be transferable except under limited circumstances set forth in such rule.

We may sell the securities directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale of those securities. The terms of any such sales will be described in the prospectus supplement.

Table of Contents

Delayed Delivery Contracts

If the prospectus supplement indicates, we may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The applicable prospectus supplement will describe the commission payable for solicitation of those contracts.

Market Making, Stabilization and Other Transactions

Unless the applicable prospectus supplement states otherwise, each series of offered securities (other than common stock) will be a new issue and will have no established trading market. We may elect to list any series of offered securities on an exchange. Any underwriters that we use in the sale of offered securities may make a market in such securities, but may discontinue such market making at any time without notice. Therefore, we cannot assure you that the securities will have a liquid trading market.

Any underwriter may also engage in stabilizing transactions, syndicate covering transactions and penalty bids in accordance with Rule 104 under the Securities Exchange Act. Stabilizing transactions involve bids to purchase the underlying security in the open market for the purpose of pegging, fixing or maintaining the price of the securities. Syndicate covering transactions involve purchases of the securities in the open market after the distribution has been completed in order to cover syndicate short positions.

Penalty bids permit the underwriters to reclaim a selling concession from a syndicate member when the securities originally sold by the syndicate member are purchased in a syndicate covering transaction to cover syndicate short positions. Stabilizing transactions, syndicate covering transactions and penalty bids may cause the price of the securities to be higher than it would be in the absence of the transactions. The underwriters may, if they commence these transactions, discontinue them at any time.

Electronic Auctions

We may also make sales through the Internet or through other electronic means. Since we may from time to time elect to offer securities directly to the public, with or without the involvement of agents, underwriters or dealers, utilizing the Internet (sometimes referred to as the “world wide web”) or other forms of electronic bidding or ordering systems for the pricing and allocation of such securities, you will want to pay particular attention to the description of that system, which we will provide in a prospectus supplement.

Such electronic system may allow bidders to directly participate, through electronic access to an auction site, by submitting conditional offers to buy that are subject to acceptance by us, and which may directly affect the price or other terms and conditions at which such securities are sold. These bidding or ordering systems may present to each bidder, on a so-called “real-time” basis, relevant information to assist in making a bid, such as the clearing spread at which the offering would be sold, based on the bids submitted, and whether a bidder’s individual bids would be accepted, prorated or rejected. Of course, many pricing methods can and may also be used.

Upon completion of such an electronic auction process, securities will be allocated based on prices bid, terms of bid or other factors. The final offering price at which securities would be sold and the allocation of securities among bidders would be based in whole or in part on the results of the Internet or other electronic bidding process or auction.

General Information

Agents, underwriters, and dealers may be entitled, under agreements entered into with us, to indemnification by us against certain liabilities, including liabilities under the Securities Act. Our agents, underwriters, and dealers, or their affiliates, may be customers of, engage in transactions with or perform services for us, in the ordinary course of business.

Table of Contents

LEGAL MATTERS

Weintraub Genshlea Chediak Law Corporation will pass upon legal matters in connection with the validity of the securities offered hereby for us. Certain members of, and persons associated with, Weintraub Genshlea Chediak Law Corporation own or control less than 0.1% of the shares of our common stock in the aggregate.

EXPERTS

The consolidated financial statements of NutraCea as of December 31, 2007 and 2006, and for each of the years in the two-year period ended December 31, 2007, and management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2007 have been incorporated by reference herein in reliance upon the reports of Perry-Smith, LLP, independent registered public accounting firm, incorporated by reference herein and upon the authority of said firm as experts in accounting and auditing.

The consolidated financial statements of NutraCea as of December 31, 2005, and for the year ended December 31, 2005, have been incorporated by reference herein in reliance upon the reports Malone & Bailey, PC, independent registered public accounting firm, incorporated by reference herein and upon the authority of said firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file reports, proxy statements and other information with the Securities and Exchange Commission, or the Commission, in accordance with the Securities Exchange Act of 1934, or the Exchange Act. You may read and copy our reports, proxy statements and other information filed by us at the public reference room of the Commission located at 100 F Street, N.E., Washington, D.C. 20549. Please call the Commission at 1-800-SEC-0330 for further information about the public reference rooms. Our reports, proxy statements and other information filed with the Commission are available free of charge to the public over the Internet at the Commission's website at <http://www.sec.gov>.

The Commission allows us to "incorporate by reference" certain information we file with them, which means that we can disclose important information by referring you to those documents. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the Commission will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made by us with the Commission under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act until our offering is complete. We also incorporate by reference any of these filings made after the date of the initial registration statement and prior to effectiveness of the registration statement.

- (1) Our Annual Report on Form 10-K for the fiscal year ended December 31, 2007, filed with the Commission on March 17, 2008.
- (2) Our Current Reports on Form 8-K, filed with the Commission on January 15, 2008, January 30, 2008, February 7, 2008, February 25, 2008, March 15, 2008 and March 21, 2008.
- (3) The description of the our common stock contained in our registration statement on Form 10-SB filed with the Commission on April 19, 2001 under Section 12 of the Exchange Act, including any amendment or report filed for the purpose of updating such description.

You may request a copy of these filings, at no cost, by writing or telephoning us at the following address:

NutraCea
5090 North 40th Street, Fourth Floor
Phoenix, Arizona 85018
Attention: Investor Relations
(602) 522-3000

Table of Contents

In addition, you may obtain a copy of these filings from the SEC as described above in the section entitled “Where You Can Find More Information.”

We file annual, quarterly and special reports, proxy statements and other information with the Securities and Exchange Commission. You may read and copy any reports, statements or other information filed by us at the SEC’s public reference room at 450 Fifth Street, N.W., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Our filings with the SEC are also available to the public from commercial document retrieval services and at the SEC’s web site at “<http://www.sec.gov>.”

This prospectus is part of a registration statement we have filed with the SEC relating to the securities that may be offered by the selling shareholders. As permitted by SEC rules, this prospectus does not contain all of the information we have included in the registration statement and the accompanying exhibits and schedules we file with the SEC. You may refer to the registration statement, the exhibits and schedules for more information about our securities and us. The registration statement, exhibits and schedules are available at the SEC’s Public Reference Room.

Table of Contents

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14: Other Expenses of Issuance and Distributions.

The estimated expenses of this offering in connection with the issuance and distribution of the securities being registered, are as follows:

| | |
|----------------------------------|-------------------|
| Registration Fee | \$ 4,913 |
| Accounting fees and expenses | 50,000 |
| Legal fees and expenses | 50,000 |
| Printing and engraving | 50,000 |
| Blue sky fees and expenses | 20,000 |
| Transfer agent fees and expenses | 20,000 |
| Miscellaneous | 15,000 |
| Total | \$ 209,913 |

Item 15: Indemnification of Directors and Officers.

The California General Corporation Law and our Restated Articles of Incorporation and Bylaws provide that we may indemnify our officers, directors, employees or agents or former officers, directors, employees or agents, against expenses actually and necessarily incurred by them, in connection with the defense of any legal proceeding or threatened legal proceeding, except as to matters in which such persons shall be determined to not have acted in good faith and in our best interest. This means that if indemnity is determined by the Board of Directors to be appropriate in any case we and not the individual might bear the cost of any suit that is filed by a shareholder against the individual officer, director or employee unless the court determines that the individual acted in bad faith. These provisions are sufficiently broad to permit the indemnification of such persons in certain circumstances against liabilities arising under the Securities Act.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors and officers, and to persons controlling our company pursuant to the foregoing provisions, we have been informed that in the opinion of the Securities and Exchange Commission, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

ITEM 16: EXHIBITS

| Exhibit Number | Exhibit Description |
|-------------------|---------------------|
|-------------------|---------------------|

| | |
|-------|---------------------------------|
| 1.01* | Form of Underwriting Agreement. |
|-------|---------------------------------|

| | |
|---------|---------------------------------|
| 2.01(1) | Plan and Agreement of Exchange. |
|---------|---------------------------------|

| | |
|---------|---|
| 2.02(2) | Agreement and Plan of Merger and Reorganization, dated as of April 4, 2005, by and among the NutraCea, The RiceX Company and Red Acquisition Corporation. |
|---------|---|

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- 2.03(12) Asset Purchase Agreement, dated as of September 28, 2007, between NutraCea and Vital Living, Inc.
- 2.04(13) Quotas Purchase and Sale Agreement, dated January 31, 2008, between NutraCea and Quota Holders of Irgovel - Industria Riograndens De Oleos Begetais Ltda.
- 3.01.1(3) Restated and Amended Articles of Incorporation as filed with the Secretary of State of California on December 13, 2001.
- 3.01.2(4) Certificate of Amendment of Articles of Incorporation as filed with the Secretary of State of California on August 4, 2003.

II - 1

Table of Contents

| | |
|-----------|--|
| 3.01.3(5) | Certificate of Amendment of Articles of Incorporation as filed with the Secretary of State of California on October 31, 2003. |
| 3.01.4(4) | Certificate of Amendment of Articles of Incorporation as filed with the Secretary of State of California on September 29, 2005. |
| 3.01.5(4) | Certificate of Amendment of Articles of Incorporation as filed with the Secretary of State of California on August 1, 2007. |
| 3.02(7) | Certificate of Designation of the Rights, Preferences, and Privileges of the Series A Preferred Stock as filed with the Secretary of State of California on December 13, 2001. |
| 3.03(8) | Certificate of Determination, Preferences and Rights of Series B Convertible Preferred Stock as filed with the Secretary of State of California on October 4, 2005. |
| 3.04(9) | Certificate of Determination, Preferences and Rights of Series C Convertible Preferred Stock as filed with the Secretary of State of California on May 10, 2006. |
| 3.05(10) | Bylaws of NutraCea. |
| 4.01(8) | Form of warrant issued to subscribers in connection with NutraCea's October 2005 private placement. |
| 4.02(9) | Form of warrant issued to subscribers in connection with NutraCea's May 2006 private placement. |
| 4.03(11) | Form of warrant issued to subscribers in connection with NutraCea's February 2007 private placement. |
| 4.04(8) | Registration Rights Agreement, dated September 28, 2005, by and among NutraCea and the investors named therein. |
| 4.05(9) | Registration Rights Agreement, dated May 12, 2006, by and among NutraCea and the investors named therein. |
| 4.06(11) | Registration Rights Agreement, dated February 15, 2007, by and among NutraCea and the investors named therein. |
| 4.07* | Form of Certificate of Determination. |
| 4.08* | Form of Preferred Stock Certificate. |
| 4.09* | Form of Depositary Agreement. |
| 4.10* | Form of Depositary Receipt. |
| 4.11* | Form of Warrant Agreement. |
| 4.12* | Form of Warrant Certificate. |
| 5.1** | Opinion of Weintraub Genshlea Chediak Law Corporation. |

- 12.1 Computation of Ratio of Earnings to Fixed Charges.
- 23.1 Consent of Malone & Bailey, PC, Independent Registered Public Accounting Firm.
- 23.2 Consent of Perry-Smith LLP, Independent Registered Public Accounting Firm.
- 23.3** Consent of Weintraub Genshlea Chediak Law Corporation (included in Exhibit 5.1 hereto).
- 24.1** Power of Attorney (See signature page.)

* To be subsequently filed by an amendment to the Registration Statement or by a Current Report on Form 8-K.

** Previously filed.

Table of Contents

- (1) incorporated herein by reference to exhibits previously filed on Registrant's Current Report on Form 8-K, filed on November 19, 2001.
- (2) incorporated herein by reference to exhibits previously filed on Registrant's Current Report on Form 8-K, filed on April 4, 2005.
- (3) incorporated herein by reference to exhibits previously filed on Registrant's Annual Report on Form 10-KSB, filed on April 16, 2002.
- (4) incorporated herein by reference to exhibits previously filed on Registrant's Registration Statement on Form SB-2, filed on November 18, 2005.
- (5) incorporated herein by reference to exhibits previously filed on Registrant's Quarterly Report on Form 10-QSB, filed on November 19, 2003.
- (6) incorporated herein by reference to exhibits previously filed on Registrant's Quarterly Report on Form 10-QSB, filed on August 14, 2005.
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- (9) incorporated herein by reference to exhibits previously filed on Registrant's Current Report on Form 8-K, filed on May 15, 2006.
- (10) incorporated herein by reference to exhibits previously filed on Registrant's Registration Statement on Form SB-2, filed on June 12, 2006.
- (11) incorporated herein by reference to exhibits previously filed on Registrant's Current Report on Form 8-K, filed on February 20, 2007.
- (12) incorporated herein by reference to exhibits previously file on registrant's Current Report on Form 8-K, filed on October 4, 2007.
- (13) Incorporated herein by reference to exhibits previously filed on Registrant's Annual Report on Form 10-K, filed on March 17, 2008.

Item 17: 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 of 1933.

- (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 a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.

Table of Contents

(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), (a)(1)(ii) and (a)(1)(iii) above do not apply if the registration statements is on Form S-3 or Form F-3 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 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, 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.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) If the registrant is relying on Rule 430B:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date; or

(ii) If the registrant is subject to Rule 430C, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

(5)

That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities:

II - 4

Table of Contents

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
- (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934, (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) 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) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act of 1933 shall be deemed to be part of this registration statement as of the time it was declared effective.

(d) The undersigned Registrant hereby undertakes that, for the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus 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.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the provisions described in Item 15 above, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the 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 Act and will be governed by the final adjudication of such issue.

Table of Contents

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant, NutraCea, certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Pre-Effective Amendment No. 1 to its Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Phoenix, Arizona, on March 28, 2008.

NUTRACEA

BY: /s/ Bradley D. Edson
Bradley D. Edson
Chief Executive Officer

POWER OF ATTORNEY

Pursuant to the requirements of the Securities Act of 1933, this Pre-Effective Amendment No. 1 to the Registration Statement has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

| Signature | Title | Date |
|--|---|----------------|
| Principal Executive Officer: | | |
| /s/ Bradley D. Edson Bradley D. Edson | President, Chief Executive Officer and Director | March 28, 2008 |
| Principal Financial Officer and Principal Accounting Officer: | | |
| /s/ Todd C. Crow Todd C. Crow | Chief Financial Officer | March 28, 2008 |
| Additional Directors: | | |
| /s/ David Bensol* David Bensol | Director | March 28, 2008 |
| /s/ Wesley K. Clark* Wesley K. Clark | Director | March 28, 2008 |
| /s/ James C. Lintzenich* James C. Lintzenich | Director | March 28, 2008 |
| /s/ Edward L. McMillan* Edward L. McMillan | Director | March 28, 2008 |
| /s/ Steven W. Saunders* Steven W. Saunders | Director | March 28, 2008 |

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/s/ Kenneth L. Shropshire*
Kenneth L. Shropshire

Director

March 28, 2008

* By /s/ Todd C. Crow
Todd C. Crow
Attorney-in-fact

March 28, 2008

II - 6

Table of Contents

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Table of Contents

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Table of Contents

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