Registration No. 333-142335

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Amendment No. 1 to

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

PURE CYCLE CORPORATION

(Exact name of registrant as specified in its charter)

Delaware84-0705083(State or other jurisdiction of incorporation or organization)(I.R.S. Employer Identification No.)

8451 Delaware St. Thornton, Colorado 80260 Telephone: 303-292-3456

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Mark Harding President and CFO 8451 Delaware St. Thornton, Colorado 80260 Telephone: 303-292-3456

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to:

Wanda J. Abel Davis Graham & Stubbs LLP 1550 Seventeenth Street, Suite 500 Denver, Colorado 80202 Telephone: (303) 892-9400

APPROXIMATE DATE OF COMMENCEMENT OF PROPOSED SALE TO THE PUBLIC: As soon as practicable after the effective date of this registration statement.

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

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, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

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

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. \Box

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:

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.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant 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 the 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. The selling stockholders may not sell these securities pursuant to this prospectus until the registration statement filed with the Securities and Exchange Commission becomes effective. This prospectus is not an offer to sell these securities and neither Pure Cycle Corporation nor the selling stockholders are soliciting offers to buy these securities in any state where the offer or sale is not permitted.

\$15,000,000 (by Pure Cycle Corporation) and 2,406,697 SHARES (by Selling Stockholders) PURE CYCLE CORPORATION COMMON STOCK

This prospectus relates to (i) the potential offer by Pure Cycle Corporation of shares of common stock, 1/3 of \$.01 par value, with an initial aggregate offering price not to exceed \$15,000,000, and (ii) the resale by the selling stockholders of up to 2,406,697 shares of common stock. See "Selling Stockholders." We will not receive any of the proceeds from the shares of common stock sold by the selling stockholders.

Pure Cycle Corporation's common stock is listed on the NASDAQ Capital Market under the symbol "PCYO." On May 25, 2007, the last reported sales price of our common stock on the NASDAQ Capital Market was \$7.30 per share.

For a discussion of certain risks that should be considered by prospective investors, see "Risk Factors" beginning on page 5 of this prospectus.

The common stock offered by this prospectus may be offered directly or through agents or dealers. See "Plan of Distribution." The names of any underwriters, dealers or agents will be included in a supplement to this prospectus, along with any applicable fee, commission or discount arrangement.

This prospectus may not be used to offer and sell shares of common stock to be newly issued by us unless accompanied by the applicable prospectus supplement.

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

The date of this prospectus is , 2007.

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As used in this prospectus, the terms "Pure Cycle," "we," "our," "ours" and "us" refer to Pure Cycle Corporation. When we refer to "shares" throughout this prospectus, we include all rights attaching to our shares of common stock under any stockholder rights plan then in effect.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission (the "SEC") using a shelf registration process. Under this shelf registration process, we may sell shares of our common stock in one or more offerings up to a total dollar amount of \$15,000,000. Each time we sell shares with this prospectus, we will provide you with a prospectus supplement that will contain specific information about the terms of that offering including, among other things, the number of shares sold and the price. The prospectus supplement may also add to, update or change information in this prospectus. You should read carefully this prospectus, any prospectus supplement, and the additional information described below.

This prospectus does not contain all the information provided in the registration statement we filed with the SEC. For further information about us or the securities offered by this prospectus, you should refer to that registration statement, which you can obtain from the SEC as described below under the heading "Where You Can Find More Information."

FORWARD-LOOKING STATEMENTS

This prospectus, including the information incorporated by reference, contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995. The use of any statements containing the words "anticipate," "believe," "estimate," "expect," "plan," "intend" and similar expressions, as they relate to us, are intended to identify forward-looking statements. Such statements include comments regarding our ability to market and sell our water in new communities. These statements reflect our current views with respect to future events and are subject to certain risks, uncertainties and assumptions. We cannot assure you that any of our expectations will be realized. Factors that may cause actual results to differ materially from those contemplated by such forward-looking statements include, without limitation, the timing of development of the areas where we may sell our water, including uncertainties related to the development of projects we currently have under contract, the market price of water, changes in applicable statutory and regulatory requirements, uncertainties in the estimation of water available under decrees, costs of delivery of water and treatment of wastewater, uncertainties in the estimation of costs of construction projects, the strength and financial resources of our competitors, our ability to find and retain skilled personnel, climatic and weather conditions, labor

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relations, availability and cost of material and equipment, delays in anticipated permit and construction dates, environmental risks, the results of financing efforts and the ability to meet capital requirements, general economic conditions and other risks detailed in this prospectus under the heading "Risk Factors" and in our periodic report filings with the SEC.

PROSPECTUS SUMMARY

The Company

Pure Cycle Corporation is an investor owned water and wastewater service provider engaged in the design, construction, operation and maintenance of water and wastewater systems. We incorporated in 1976 in the State of Delaware. Our theory is that water is a precious commodity that is often undervalued and therefore used inefficiently. We primarily operate in the Denver, Colorado metropolitan area and have assets located in the Denver area, in southeastern Colorado in the Arkansas River, and on the western slope of Colorado. Our business practices are centered on efficient and environmentally responsible water management programs to ensure we have water to meet the long-term needs of our customers. Utilizing our water assets, we withdraw, treat, store and deliver water to our customers. We then collect wastewater from our customers which is treated and reused through dual distribution systems. A dual distribution system is one in which domestic water demands and irrigation water demands are provided through separate independent infrastructure. Our dual distribution systems promote efficient water resource management and reduce the amount of water that is "wasted" by traditional water systems which enable us to maximize the use of our valuable water supplies and allow us the ability to provide long-term water solutions on a regional basis.

Our water assets are comprised of the following annual entitlements:

- Approximately 60,000 acre-feet of senior 1883 water rights in the Arkansas River and its tributaries represented by over 21,600 shares of the Fort Lyon Canal Company; (ii) approximately 17,500 acres of real property; and (iii) certain contract rights, tangible personal property, mineral rights, and other water interests associated with the real property;
- · We own approximately 11,650 acre-feet of water located at the Lowry Range Property located in Arapahoe County, Colorado, which we can "Export" from the Lowry Range Property to supply water to nearby communities and developers in need of additional water supplies (this water asset is referred to as our "Export Water"):
- We have the exclusive rights to use, through 2081, approximately 17,620 acre-feet of water located at the Lowry Range Property. This water is required to be used specifically on the Lowry Range Property (collectively we refer to the 17,620 acre-feet of water designated for use on the Lowry Range Property and the 11,650 acre-feet of Export Water as our "Rangeview Water Supply");
- · We own, subject to receipt of a water rights deed, approximately 350 acre-feet of groundwater pursuant to an Agreement for Water Service with Arapahoe County, which will be added to our overall Denver metropolitan water supply portfolio;
- · We own approximately 89 acre-feet of water located beneath Sky Ranch, which is a property located north of our Lowry Range property along I-70 in Colorado, together with the right to purchase an additional 671 acre-feet of water (for a total of 760 acre-feet), which will be used to provide water service to the initial 1,500 taps purchased at Sky Ranch; and
- · We own conditional water rights in western Colorado that entitle us to build a 70,000 acre-foot reservoir to store tributary water on the Colorado River; a right-of-way permit from the U.S. Bureau of Land Management for property at the dam and reservoir site; and four tributary water wells with a theoretical capacity to produce approximately 56,000 acre-feet of water annually (collectively known as the "Paradise Water Supply").

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The Denver metropolitan region continues to experience growth and with the limited availability of new water supplies, many metropolitan planning agencies are requiring property developers to demonstrate adequate water availability prior to any consideration for zoning requests for property development. We believe we are well positioned to market and sell our water and wastewater services to municipalities, developers and homebuilders seeking to develop new communities both within the Lowry Range Property as well as in other areas in the growing Denver metropolitan region.

Our corporate offices are located at 8451 Delaware St., Thornton, Colorado 80260. Our telephone number is (303) 292-3456. Our web site is http://www.purecyclewater.com. The information on our website does not constitute part of this prospectus.

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RISK FACTORS

Our business, operations, and financial condition are subject to significant risks. We urge you to consider the following risk factors in addition to the other information contained in, or incorporated by reference into, this prospectus or any prospectus supplement. If any of the following risks actually occur, our business, financial condition, results of operations or cash flows could be materially adversely affected. In any such case, the trading price of our common stock could decline, and you could lose all, or a part, of your investment.

We are dependent on the development of Sky Ranch, the Lowry Range Property and other areas near our Rangeview Water Supply that are potential markets for our Export Water.

We expect that our principal source of future revenue will be from long term contracts with the State of Colorado Board of Land Commissioners (the "Land Board"), which expire in 2081 and entitle us to provide water service to approximately 24,000 of the 27,000 acres of the Lowry Range Property. In addition to the Lowry Range, we have water service agreements with a new master planned community situated on approximately 900 acres along Interstate 70 known as Sky Ranch. The timing and amount of these revenues will depend significantly on the development of these areas. The Lowry Range Property is owned by the Land Board, which is in the early stages of considering various development alternatives, including proposals for open space, but no timetable exists for development. As a component of the Sky Ranch Agreements, we are dependent on the development of the property prior to us receiving revenues for water service, which development is under the control of the developer. We are not able to determine the timing of water sales or the timing of development. There can be no assurance that development will occur or that water sales will occur on acceptable terms or in the amounts or time required for us to support our costs of operation. Because of the prior use of the Lowry Range Property as a military facility, environmental clean-up may be required prior to development, including the removal of unexploded ordnance. There is often significant delay in adoption of development plans, as the political process involves many constituencies with differing interests. In the event water sales are not forthcoming or development of the Lowry Range Property or Sky Ranch is delayed, we may incur additional short or long-term debt obligations or seek to sell additional equity to generate operating capital until demand arises for our water assets. If the Land Board determines to limit the use of significant portions of the Lowry Range Property for open space, it may limit our ability to fully develop our Rangeview Water Supply.

Our operations are significantly affected by the general economic conditions for real estate development and the pace and location of real estate development activities in the greater Denver metropolitan area, most particularly areas such as the Lowry Range Property and Sky Ranch which are close to our Rangeview Water Supply and are potential markets for our Export Water. Increases in the number of our water and wastewater connections, our connection fees and our billings and collections will depend on real estate development in this area. We have no ability to control the pace and location of real estate development activities which affect our business.

We are likely to be involved in on-going negotiation with the Land Board to clarify our rights and obligations under contracts as they relate to specific transactions we enter into or to deal with additional opportunities, and we may be subject to adverse determinations if are required to arbitrate these matters.

Our rights and obligation to our Rangeview Water Supply derive principally from an Amended and Restated Lease (the "Lease") between the Land Board and the Rangeview Metropolitan District (the "District") entered into in 1996 prior to any development of the Lowry Range or of areas outside the Lowry Range that utilize our Export Water. The terms of this agreement did not fully anticipate the specific circumstances of the development that have arisen and may not clearly delineate rights and

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responsibilities for the forms of transactions that may arise in the future as we enter into and negotiate agreements for sale of water. We anticipate that we will engage in negotiations with the State Land Board from time to time to clarify the applicability of contract terms to circumstances that were not anticipated at the time the agreements were entered into. Certain of these provisions may be material and a determination, by an arbitrator or otherwise, of positions that are not favorable to us could have a material adverse effect on our financial results. In addition, we discuss periodically with the State Land Board opportunities for water utilization that were not available at the time of the Lease, which opportunities could be incorporated into the Lease. We cannot assure you that we will pursue additional opportunities or that such activities will be successful

In order to utilize the Arkansas River water acquired in fiscal 2006, we have to apply for a change of use with the Colorado water court and this may take several years to complete.

The change of use of our Arkansas River water requires a ruling by the Colorado water courts, which could take several years and be a costly and contentious effort since it is anticipated that many parties will oppose the transfer of the water. There are several conditions which must be satisfied prior to our receiving a change of use decree for transfer of our Arkansas River water. One condition that we must satisfy is a showing of anti-speculation in which we, as the applicant must demonstrate that we have contractual obligations to provide water service to customers prior to the water court ruling on the transfer of a water right. The water court is also expected to limit the transfer to the "consumptive use" portion of the water right and to address changing the historic use of the water from agricultural uses to other uses such as municipal and industrial use. We expect to face opposition to any consumptive use calculations of the historic agricultural uses of this water. The water court may impose conditions on our transfer of the water rights such as requiring us to mitigate the loss of the farming tax base, imposing re-vegetation requirements to convert soils from irrigated to non-irrigated, and imposing water quality measures. Any such conditions will likely increase the cost of transferring the water rights.

Valuation of the "Tap Participation Fees payable to HP A&M" contains estimates and management assumptions. The actual results could differ significantly from those estimates

We estimated the fair value of the "Tap Participation Fees payable to HP A&M" using available historic market information and estimated future market information. We believe the estimates we used reasonably reflect the fair value of the Tap Participation Fees as of August 31, 2006. Estimates involve matters of uncertainty and judgment and interpreting relevant market data is inherently subjective in nature. Many factors are necessary to estimate future market conditions, including but not limited to, supply and demand for new homes, population growth along the Front Range, cash flows, tap fee increases at our rate-based districts, and other market forces beyond our control. The actual results could differ materially from our estimates and result in significantly higher Tap Participation Fees being paid to HP A&M than what are reflected in our balance sheet and significantly higher imputed interest being reflected on our future statements of operations associated with the Tap Participation Fees.

In the event of default by HP A&M on promissory notes secured by deeds of trust on our properties, we would be required to cure the defaults or lose the properties.

As described in our Annual Report on Form 10-K, as amended on Form 10-K/A-1, for the year ended August 31, 2006, certain of the properties we acquired from HP A&M are subject to promissory notes secured by deeds of trust on the properties we own. Because the likelihood of HP A&M defaulting on the notes is deemed remote, these promissory notes are not reflected on our balance sheet. However, if HP A&M defaults on the promissory notes, we would be required to cure the notes, which have a balance of approximately \$14.6 million at August 31, 2006, or lose the properties which are collateralizing the promissory notes.

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Our net losses may continue and we may not have sufficient liquidity to pursue our business objectives.

We have experienced significant net losses and could continue to incur net losses. For the years ended August 31, 2006, 2005 and 2004, we had net losses of approximately \$793,000, \$1,051,000 and \$1,976,000, respectively, on revenues of approximately \$271,700, \$234,700 and \$205,000, in the respective periods. Our cash flows from operations have been insufficient to fund our operations in the past, and we have been required to raise debt and equity capital to remain in operation. Since 1998, we have raised approximately \$10.1 million through the issuance of approximately 2.5 million shares of common stock to support our operations. Our ability to fund our operational needs and meet our business objectives will depend on our ability to generate cash from future operations. If our future cash flow from operations and other capital resources are insufficient to fund our operations and the significant capital expenditure requirements to build our water delivery systems, we may be forced to reduce or delay our business activities, or seek to obtain additional debt or equity capital, which may not be available on acceptable terms, or at all.

The rates we are allowed to charge customers are limited by the District's contract with the Land Board and our contract with the District and may be insufficient to cover our costs of construction and operation.

The prices we can charge for our water and wastewater services are subject to pricing regulations set in the District's contract with the Land Board and our contract with the District. Both the tap fees and our usage rates and charges are based on the average of the rates of our rate-based districts. Annually we survey the tap fees and rates of our rate-based districts and set our tap fees and rates and charges based on the average of those charged by this group. Our costs associated with the construction of water delivery systems and the production, treatment and delivery of our water are subject to market conditions and other factors, which may increase at a significantly greater rate than the prices charged by our rate-based districts. Factors beyond our control and which cannot be predicted, such as drought, water contamination and severe weather conditions, like tornadoes and floods, may result in additional labor and material costs that may not necessarily be recoverable under our operations and maintenance contracts, creating additional differences from the costs of our rate-based districts. Increased customer demand can also increase the overall cost of our operations. If the costs for construction and operation of our water services, including the cost of extracting our groundwater, exceed our revenues, we may petition the Land Board for rate increases. There can be no assurance that the Land Board would approve a rate increase beyond the average of the rate-based districts. Our profitability could be negatively impacted if we experience an imbalance of costs and revenues and are not successful in receiving approval for rate increases.

We only have three employees and may not be able to manage the increasing demands of our expanding operations.

We expect our activities relating to the Lowry Range and/or the Sky Ranch Agreements to significantly expand our business, and we are actively pursuing additional development opportunities in areas near Sky Ranch, as well as opportunities near our recently acquired Arkansas River water. We currently have only three employees to administer our existing assets, interface with applicable governmental bodies, market our services and plan for the construction and development of our future assets. We may not be able to maximize the value of our water assets because of our limited manpower. We depend significantly on the services of Mark W. Harding, our President. The loss of Mr. Harding would cause a significant interruption of our operations. The success of our future business development and ability to capitalize on growth opportunities depends on our ability to attract and retain additional experienced and qualified persons to operate and manage our business. State regulations set the training, experience and

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qualification standards required for our employees to operate specific water and wastewater facilities. Failure to find state-certified and qualified employees to support the operation of our facilities could put us at risk, among other things, for operational errors at the facilities, for improper billing and collection processes, and for loss of contracts and revenues. We cannot assure you that we can successfully manage our assets and our growth.

Our business is subject to governmental regulation and permitting requirements. We may be adversely affected by any future decision by the Colorado Public Utilities Commission to regulate us as a public utility and to impose regulation.

The Colorado Public Utilities Commission ("CPUC") regulates investor-owned water companies that hold themselves out to the public as serving, or ready to serve, all of the public in a service area. The CPUC regulates many aspects of public utilities' operations, including the location and construction of facilities, establishing water rates and fees, initiating inspections, enforcement and compliance activities and assisting consumers with complaints.

Although we act as a service provider under contracts with quasi-municipal metropolitan districts that are exempt by statute from regulation by the CPUC, the CPUC could decide to regulate us as a public utility. If this were to occur, we might incur significant expense challenging the CPUC's assertion of authority, and we may be unsuccessful. In the future, existing regulations may be revised or reinterpreted, and new laws and regulations may be adopted or become applicable to us or our facilities. If we become regulated as a public utility, our ability to generate profits could be limited and we might incur significant costs associated with regulatory compliance.

There are many obstacles to our ability to sell our Paradise Water Supply.

We currently earn no revenues from our Paradise Water Supply, which as of August 31, 2006 has a recorded cost of approximately \$5.5 million. Our ability to convert our Paradise Water Supply into an income generating asset is limited. Due to the nature of the Paradise Water rights and agreements with other western slope water interests, our use of the Paradise Water Supply is limited to opportunities along the western slope. As part of our water court decree for the Paradise Water Supply, we are permitted to construct a storage facility on the Colorado River. However, due to the strict regulatory requirements for constructing an on-channel reservoir, completing the conditional storage right at its decreed location could be difficult. As a result, we cannot assure you that we will ever be able to make use of this asset or sell the water profitably.

Our Paradise Water Supply is also conditioned on a Finding of Reasonable Diligence from the water court every six years. To arrive at that finding, a water court must determine that we continue to diligently pursue the development of the water rights, either by us or by some third party who has a contractual commitment for its use. If the water court is unable to make such a finding, our right to the Paradise Water Supply would be lost and we would be required to impair the Paradise Water Supply asset and incur a \$5.5 million charge against earnings. The State Engineers office began its latest review of our conditional water rights in fiscal 2005. At this time we are unable to estimate when the review will be complete or the outcome of this review.

Conflicts of interest may arise relating to the operation of the District.

Our officers, employees and a significant stockholder constitute a majority of the directors of the District, and Pure Cycle, along with our officers, employees, significant stockholder and one unrelated individual, own as tenants in common, the 40 acres that form the District. Pursuant to State law, directors receive \$75 for each board meeting or a maximum compensation of \$1,200 per year. We have made loans to the District to fund its operations. At August 31, 2006, total principal and interest owed to us by the

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was approximately \$452,200. The District is a party to our agreements with the Land Board and receives fees of 5% of the revenues from the sale of water on the Lowry Range Property and will hold title to the retail water distribution system at the Sky Ranch development. Proceeds from the fee collections will initially be used to repay the District's obligations to us, but after these loans are repaid, the District is not required to use the funds to benefit Pure Cycle. We have received benefits from our activities undertaken in conjunction with the District, but conflicts may arise between our interests and those of the District, and with our officers who are acting in dual capacities in negotiating contracts to which both we and the District are parties. We expect that the District will expand when more properties are developed and become part of the District, and our officers acting as directors of the District will have fiduciary obligations to those other constituents. There can be no assurance that all conflicts will be resolved in the best interests of Pure Cycle and its stockholders. In addition, other landowners coming into the District will be eligible to vote and to serve as directors of the District. There can be no assurances that our officers and employees will remain as directors of the District or that the actions of a subsequently elected board would not have an adverse impact on our operations.

We are required to maintain stringent water quality standards and are subject to regulatory and environmental risks.

We must provide water that meets all federal and state regulatory water quality standards and operate our water and wastewater facilities in accordance with these standards. We face contamination and pollution issues regarding our water supplies. Improved detection technology, increasingly stringent regulatory requirements, and heightened consumer awareness of water quality issues contribute to an environment of increased focus on water quality. In contrast with other providers in Colorado, we are combining the water delivery and wastewater treatment processes, which may introduce technical treatment issues that make compliance with water quality standards more difficult. We cannot assure you that we will be able in the future to reduce the amounts of contaminants in our water to acceptable levels. In addition, the standards that we must meet are constantly changing and becoming more stringent. For example, in February 2002, the U.S. Environmental Protection Agency lowered the arsenic standard in drinking water from 50 parts per billion to 10 parts per billion. Future changes in regulations governing the supply of drinking water and treatment of wastewater may have a material adverse impact on our financial results.

We handle certain hazardous materials at our water treatment facilities, primarily sodium hypochlorite. Any failure of our operation of the facilities in the future, including sewage spills, noncompliance with water quality standards, hazardous materials leaks and spills, and similar events could expose us to environmental liabilities, claims and litigation costs. We cannot assure you that we will successfully manage these issues, and failure to do so could have a material adverse effect on our future results of operations by increasing our costs for damages and cleanup.

Our contracts for the construction of water and wastewater projects may expose us to certain completion and performance risks.

We intend to rely on independent contractors to construct our water and wastewater facilities. These construction activities may involve risks, including shortages of materials and labor, work stoppages, labor relations disputes, weather interference, engineering, environmental, permitting or geological problems and unanticipated cost increases. These issues could give rise to delays, cost overruns or performance deficiencies, or otherwise adversely affect the construction or operation of our water and wastewater delivery systems.

In addition, we may experience quality problems in the construction of our systems and facilities, including equipment failures. We cannot assure you that we will not face claims from customers or others regarding product quality and installation of equipment placed in service by contractors.

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Certain of our contracts may be fixed-price contracts, in which we may bear all or a significant portion of the risk for cost overruns. Under these fixed-price contracts, contract prices are established in part based on fixed, firm subcontractor quotes on contracts and on cost and scheduling estimates. These estimates may be based on a number of assumptions, including assumptions about prices and availability of labor, equipment and materials, and other issues. If these subcontractor quotations or cost estimates prove inaccurate, or if circumstances change, cost overruns may occur, and our financial results would be negatively impacted. In many cases, the incurrence of these additional costs would not be within our control.

We may have contracts in which we guarantee project completion by a scheduled date. At times, we may guarantee that the project, when completed, will achieve certain performance standards. If we fail to complete the project as scheduled, or if we fail to meet guaranteed performance standards, we may be held responsible for cost impacts and/or penalties to the customer resulting from any delay or for the costs to alter the project to achieve the performance standards. To the extent that these events occur and are not due to circumstances for which the customer accepts responsibility or cannot be mitigated by performance bonds or the provisions of our agreements with contractors, the total costs of the project could exceed our original estimates and our financial results would be negatively impacted.

Our customers may require us to secure performance and completion bonds for certain contracts and projects. The market environment for surety companies has become more risk averse. We secure performance and completion bonds for our contracts from these surety companies. To the extent we are unable to obtain bonds, we may not be awarded new contracts. We cannot assure you that we can secure performance and completion bonds where required.

We may operate engineering and construction activities for water and wastewater facilities where design, construction or system failures could result in injury to third parties or damage to property. Any losses that exceed claims against our contractors, the performance bonds and our insurance limits at facilities so managed could result in claims against us. In addition, if there is a customer dispute regarding performance of our services, the customer may decide to delay or withhold payment to us.

Weaknesses in the Company's internal controls and procedures could have a material adverse effect on the Company.

Management is responsible for establishing and maintaining adequate internal control over financial reporting. Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with U.S. generally accepted accounting principles ("GAAP"). In making its assessment of internal control over financial reporting as of August 31, 2006, management used the criteria described in "Internal Control — Integrated Framework" issued by the Committee of Sponsoring Organizations of the Treadway Commission. A material weakness is a control deficiency, or combination of control deficiencies, that results in a more than remote likelihood a material misstatement of the annual or interim financial statements will not be prevented or detected.

Management determined that a material weaknesses in our internal control over financial reporting existed as of August 31, 2006. See Item 9A — Controls and Procedures — of our Annual Report on Form 10-K/A for the year ended August 31, 2006, for a description of this material weakness.

The material weakness identified resulted in an adverse opinion by our independent registered public accounting firm on the effectiveness of our internal control over financial reporting.

We are developing a remediation plan and intend to implement remediation measures during fiscal 2007, designed to remediate the material weakness in our internal controls by August 31, 2007. We cannot

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assure you as to when the remediation plan will be fully implemented, nor can we assure you that additional material weaknesses will not be identified by our management or independent accountants in the future. In addition, even after the remedial measures are fully implemented, our internal controls may not prevent all potential error and fraud, because any control system, no matter how well designed, can only provide reasonable and not absolute assurance that the objectives of the control system will be achieved.

SELLING STOCKHOLDERS

The common stock registered on behalf of the selling stockholders in the registration statement of which this prospectus is a part consists of the following:

- 750,000 shares of common stock that have been issued to High Plains A&M, LLC ("HP A&M") pursuant to the Asset Purchase Agreement dated May 10, 2006 by and between us and HP A&M (the "Arkansas River Agreement") representing a portion of the purchase price of our Arkansas River water rights and related real property. In connection with the Arkansas River Agreement, we entered into a Registration Rights Agreement dated August 31, 2006 granting HP A&M the right to include up to 750,000 shares in a registration statement we file, subject to certain conditions. The 750,000 shares owned by HP A&M are being registered hereunder pursuant to the terms of that Registration Rights Agreement.
- 242,169 shares of common stock that have been issued to Inco Securities Corporation ("Inco") pursuant to the Purchase and Sale Agreement dated August 28, 2006 by and between us and Inco in exchange for (1) Inco's rights to receive \$4,698,001 pursuant to the Comprehensive Amendment Agreement No. 1, dated as of April 11, 1996 (the "CAA"), between us and certain investors (including Inco), and (2) the return to us of two Amended Term Notes, due in August 2007, for cancellation. The Amended Term Notes had principal balances totaling \$424,500 and accrued unpaid interest totaling \$471,476. The 242,169 shares owned by Inco are being registered hereunder pursuant to the terms of the Purchase and Sale Agreement.
- 1,414,528 shares of common stock sold by the issuer to the remaining selling stockholders at fair market value pursuant to stock purchase agreements entered into between 1991 and 1996 and pursuant to the exercise of warrants in 2004, which warrants were issued in connection with loans made to us by the selling stockholders.

The following table sets forth certain information regarding the beneficial ownership of shares of our common stock, as of April 17, 2007, by the selling stockholders. The information in the table below is based upon information provided to us by the selling stockholders. The selling stockholders may sell all, some or none of their shares in this offering. See "Plan of Distribution." Unless otherwise noted, the person identified possesses sole voting and investment power with respect to the offered shares.

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	Number of Shares Beneficially	Number of Shares that	Ownership After O	ffering(2)
Name	Owned (1)	May Be Sold	Number Shares	Percent
Apex Investment Fund II, L.P.(3)	677,239	677,239	_	_
Environmental Private Equity Fund II Liquidating Trust(3)	309,371	309,371	_	_
Environmental Venture Fund Liquidating Trust(3)	241,362	241,362	_	_
High Plains A&M, LLC(4)	3,000,000	750,000	2,250,000	12.2 %
Inco Securities Corporation(5)	242,169	242,169	_	_
The Productivity Fund II Liquidating Trust(3)	186,556	186,556	_	_
Total	4.656.697	2,406,697	2,250,000	

(1) The shares of common stock considered beneficially owned by the selling stockholders are indicated.

ownership of the shares of common stock described herein.

- (2) Assumes the sale of all of the shares offered by the selling stockholder pursuant to this prospectus and the sale of no shares by us.
- (3) The persons who have or share investment and voting control of the shares owned by Apex Investment Fund II, L.P. ("Apex"), after looking through one or more intermediate partnerships are George Middlemas; Paul J. Renze; Stellar Investment Co., an S corporation 100% owned by James A. Johnson; and First Analysis Corporation, a Delaware corporation ("FAC"). FAC is controlled by its majority stockholder and President, F. Oliver Nicklin, Jr.

 The persons who have or share investment and voting control of the shares owned by Environmental Private Equity Fund II Liquidating Trust ("EPFund") after looking through one or more intermediate partnerships are FAC (controlled by F. Oliver Nicklin, Jr.), Bret R. Maxwell, and Mark T. Koulogeorge.

 FAC (controlled by F. Oliver Nicklin, Jr.) has investment and voting control of the shares owned by Environmental Venture Fund Liquidating Trust ("EVFund").

 The persons who have or share investment and voting control of the shares owned by The Productivity Fund II Liquidating Trust ("FFund II") after looking through one or more intermediate partnerships are FAC (controlled by F. Oliver Nicklin, Jr.) and Bret R. Maxwell.

 We understand that each of the persons named above as an officer, director, partner or other affiliate of Apex, EPFund, EVFund, and PFund II disclaims beneficial
- (4) The persons who have or share investment and voting control of the shares owned by HP A&M are Mark D. Campbell, H. Hunter White and M. Walker Baus.
- 5) Inco is a Delaware corporation and an indirect wholly-owned subsidiary of CVRD Inco Limited, a corporation organized under the laws of Canada. CVRD Inco Limited is a wholly-owned subsidiary of Companhia Vale do Rio Doce ("CVRD"), a corporation organized under the laws of Brazil. CVRD shares are traded on the Sao Paulo Stock Exchange, the New York Stock Exchange and the Madrid Stock Exchange-Latibex. CVRD has ultimate investment and voting control of the shares owned by Inco.

Except as described below, none of the selling stockholders has, or has had within the last three years, any position, office or material relationship with us.

As a result of the Arkansas River Agreement, HP A&M owns 16.3% of our common stock. The members and managers of HP A&M, namely Mark D. Campbell, H. Hunter White and M. Walker Baus, are also deemed indirectly to own 16.3% of our common stock. In addition, Mr. Campbell was appointed to our board of directors on August 31, 2006 pursuant to the terms of the Arkansas River Agreement. As of the date of this filing, HP A&M (and indirectly its members) is entitled to receive 10% of our tap fees received on the sale of the next 38,965 water taps. HP A&M is also entitled to the lease income from the real property we purchased pursuant to that agreement until August 31, 2011. As of February 28, 2007, we have estimated the value of the Tap Participation Fees payable to HP A&M at approximately

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\$47.1 million (which includes imputed interest of approximately \$2.3 million) based on a discounted cash flow valuation analysis. HP A&M and its members had no affiliation with us prior to the closing of the Arkansas River Agreement.

Apex is controlled by several general partners including George Middlemas, a Pure Cycle director.

EPFund was a party to a voting agreement, which obligated Margaret Hansson and Fletcher Byrom (both retired directors), TPC Ventures, LLC (as transferee of shares owned by former director Thomas Clark), Apex, EVFund, and PFund II to vote all of their shares of common stock in favor of a director candidate designated by EPFund. The EPFund director candidate was George Middlemas. The voting agreement is no longer in effect.

Each of the selling stockholders or their affiliates, other than HP A&M, have at various dates prior to 1996 made an investment in Pure Cycle which resulted in the selling stockholder being entitled to a contingent return on such selling stockholder's investment from the proceeds of the sale of Export Water pursuant to our CAA. Inco sold all such rights to us as of August 28, 2006.

USE OF PROCEEDS

Unless a prospectus supplement indicates otherwise, the net proceeds we receive from the sale of the offered shares will be used to pay outstanding indebtedness, for water system expenditures, and for working capital and other general corporate purposes, including acquisitions.

We will not receive any of the proceeds from the sale of the offered shares by the selling stockholders.

PLAN OF DISTRIBUTION

We and the selling stockholders and their successors (which includes their pledgees, donees, partnership distributees and other transferees receiving the offered shares in non-sale transfers) may sell the offered shares directly to purchasers or through underwriters, broker-dealers or agents. Underwriters, broker-dealers or agents may receive compensation in the form of discounts, concessions or commissions from us, the selling stockholders or the purchasers.

The offered shares may be sold in one or more transactions:

· at fixed prices;

- at prevailing market prices at the time of sale;
- · at varying prices determined at the time of sale; or
- at negotiated prices.

These sales may be effected in transactions, which may involve crosses or block transactions, in the following manner:

- · on any national securities exchange or quotation service on which our common stock may be listed or quoted at the time of sale;
- · in the over-the-counter market;

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- in transactions other than on these exchanges or services or in the over-the-counter market;
- through the writing and exercise of options and warrants, whether these options and warrants are listed on an option or warrant exchange or otherwise; or
- · through the settlement of short sales.

In addition, any securities covered by this prospectus that qualify for sale pursuant to Rule 144 or Rule 144A under the Securities Act may be sold under Rule 144 or Rule 144A rather than pursuant to this prospectus.

We and/or the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the offered shares and deliver these shares to close out short positions or loan or pledge the underlying shares to broker-dealers that in turn may sell these shares.

The selling stockholders may also sell shares of common stock short and deliver shares of common stock covered by this prospectus to close out short positions, provided that the short sale is made after the registration statement is declared effective.

The selling stockholders may pledge or grant a security interest in some or all of the shares of common stock owned by it and, if it defaults in the performance of its secured obligations, the pledgees or secured parties may offer and sell the shares of common stock from time to time pursuant to this prospectus. The selling stockholders also may transfer or donate the shares of common stock in other circumstances, in which case the transferees, donees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

The aggregate proceeds to us or the selling stockholders, as applicable, from the sale of the offered shares will be the purchase price of the shares less any discounts and commissions. We will not receive any of the proceeds from the sale of the offered shares by the selling stockholders.

The shares will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the shares may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

The selling stockholders and any underwriters, broker-dealers or agents that participate in the sale of the offered shares may be deemed to be "underwriters" within the meaning of Section 2(11) of the Securities Act of 1933 (the "Securities Act"). Any commissions paid, or discounts or concessions allowed, to any broker-dealer in connection with any distribution of the offered shares may be deemed to be underwriting discounts and commissions under the Securities Act. At the time a particular offering of the shares is made, a prospectus supplement, if required, will be distributed which will set forth the aggregate number of shares of common stock being offered and the terms of the offering, including the name or names of any broker-dealers or agents, any discounts, commissions and other terms constituting compensation from us or the selling stockholders and any discounts or commissions allowed or paid to broker-dealers.

Underwriters and agents may be entitled to indemnification by us or the selling stockholders against some civil liabilities, including liabilities under the Securities Act, or to contributions with respect to payments which the underwriters or agents may be required to make relating to these liabilities. Underwriters and agents may be customers of, engage in transactions with, or perform services for, us or the selling stockholders in the ordinary course of business.

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Each selling stockholder has represented to us that at the time of receipt of its shares and at the time of filing the registration statement with the SEC, such selling stockholder had no agreements or understandings, directly or indirectly, with any person to distribute the shares.

There can be no assurance that we or the selling stockholders will sell any or all of the shares of common stock registered pursuant to the registration statement of which this prospectus is a part.

If the selling stockholders use this prospectus for any sale of the common stock, they will be subject to the prospectus delivery requirements of the Securities Act, and they will be responsible for complying with applicable provisions of the Securities Act and the Securities and Exchange Act of 1934 (the "Exchange Act") and the rules and regulations promulgated thereunder, including Regulation M.

The selling stockholders will pay all underwriting discounts and selling commissions, if any, associated with the sale of their shares. We will pay all of the other expenses related to the registration, offering, and sale of shares on behalf of all of the selling stockholders, other than HP A&M. With respect to the shares registered on behalf of HP A&M have agreed to bear all expenses incurred pursuant to this registration statement (excluding attorneys' fees and disbursements) on a pro rata basis based on the number of shares offered by each party in the registration. For purposes of computing HP A&M's pro rata portion, all shares registered on behalf of the other selling stockholders are deemed shares offered by us. Each of HP A&M and us is responsible for our own attorneys' fees and disbursements. We have also agreed to indemnify Inco and HP A&M against some specified liabilities, including some that may arise under the Securities Act.

We have agreed to keep the registration statement, of which this prospectus is a part, effective for Inco until the earlier of (i) the second anniversary of the effective date of the registration statement or (ii) the date on which all of the shares owned by Inco have been sold or otherwise transferred. We have agreed to keep the registration statement, of which this prospectus is a part, effective for HP A&M until the earlier of (i) the date as of which the shares owned by HP A&M may be transferred under Rule 144(k) of the Securities Act or (ii) all of the shares registered hereunder for HP A&M have been sold or otherwise transferred (except transfers to certain permitted assignees under the Registration Rights Agreement). We intend to keep this prospectus effective until we have fulfilled our obligations to the selling stockholders or we have

sold all the shares of common stock registered on our behalf hereunder, whichever is later.

LEGAL MATTERS

The validity of the securities offered by this prospectus will be passed upon by Davis Graham & Stubbs LLP, Denver, Colorado.

EXPERTS

Our audited financial statements as of August 31, 2006 and 2005 and for the years ended August 31, 2006 and 2005 and management's report on the effectiveness of internal control over financial reporting included in our Annual Report on Form 10-K, as amended on Form 10-K/A-1, incorporated by reference herein (which reports (1) express an unqualified opinion on the financial statements and include an explanatory paragraph referring to the restatement of our 2006 financial statements and change in accounting for stock-based compensation expense in 2006, (2) express an unqualified opinion on management's assessment regarding the effectiveness of internal control over financial reporting, and (3) express an adverse opinion on the effectiveness of internal control over financial reporting), have been audited by Anton Collins Mitchell LLP, an independent registered public accounting firm, to the extent and for the period set forth in its reports, and are incorporated herein in reliance upon such reports given upon the authority of that firm as experts in accounting and auditing.

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The statements of operations, stockholders' equity and comprehensive loss, and cash flows of Pure Cycle Corporation for the year ended August 31, 2004, have been incorporated by reference herein in reliance upon the report of KPMG LLP, 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 annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any of these documents at the SEC's public reference room at 100 F Street N.E., Room 1580, Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Our SEC filings are also available to the public at the SEC's website at http://www.sec.gov.

The SEC allows us to "incorporate by reference" the information we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered part of this prospectus, and information that we file later with the SEC will automatically update and supersede, as applicable, the information in this prospectus.

The following documents, which were previously filed with the SEC pursuant to the Exchange Act, are hereby incorporated by reference:

- our Annual Report on Form 10-K, as amended on Form 10-K/A-1, for the year ended August 31, 2006;
- our Quarterly Report on Form 10-Q, as amended on Form 10-Q/A-1, for the quarter ended November 30, 2006;
- our Quarterly Report on Form 10-Q, for the quarter ended February 28, 2007; and
- · our Current Reports on Form 8-K filed on the following dates:

September 1, 2006 (2 reports) November 21, 2006 December 18, 2006 January 16, 2007

· the description of our common stock contained in our Registration Statement on form SB-2 (SEC File No. 333-114568) filed with the SEC on April 19, 2004.

All reports and other documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of the filing of the initial registration statement of which this prospectus is a part and prior to the effectiveness of the registration statement shall be deemed to be incorporated by reference into this prospectus and shall be a part hereof from the date of filing of such reports and documents. In addition, all reports and other documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of this prospectus and prior to the termination of this offering shall be deemed to be incorporated by reference into this prospectus and shall be a part hereof from the date of filing of such reports and documents.

Any statement contained in a document incorporated or deemed to be incorporated by reference in this prospectus shall be deemed modified, superseded or replaced for purposes of this prospectus to the extent that a statement contained in this prospectus, or in any subsequently filed document that also is

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deemed to be incorporated by reference in this prospectus, modifies, supersedes or replaces such statement. Any statement so modified, superseded or replaced shall not be deemed, except as so modified, superseded or replaced, to constitute a part of this prospectus. Subject to the foregoing, all information appearing in this prospectus is qualified in its entirety by the information appearing in the documents incorporated by reference.

Statements contained in this prospectus as to the contents of any contract or other document are not necessarily complete, and in each instance we refer you to the copy of the contract or document filed as an exhibit to the registration statement or the documents incorporated by reference in this prospectus, each such statement being qualified in all respects by such reference.

You may receive a copy of any of these filings, at no cost, by writing, calling, or emailing Pure Cycle Corporation at 8451 Delaware St., Thornton, Colorado 80260, telephone: 303-292-3456, email: info@purecyclewater.com, and directed to the attention of Mark Harding, our President and CFO.

You should rely only on the information incorporated by reference or provided in this prospectus or any supplement to this prospectus. We and the selling stockholders have not authorized anyone to provide you with different information. Neither we nor the selling stockholders are making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted or to any person to whom an offer or sale is not permitted. You should not assume that the information in this prospectus is accurate as of any date other than the date on the front of this prospectus.

PURE CYCLE CORPORATION		
COMMON STOCK		
PROSPECTUS		

PART II INFORMATION NOT REQUIRED IN PROSPECTUS

ITEM 14. OTHER EXPENSES OF ISSUANCE AND DISTRIBUTION.

The following table sets forth various expenses in connection with the sale and distribution of the securities being registered, other than the underwriting discounts and commissions. All amounts shown are estimates except the SEC's registration fee.

SEC Registration Fee	\$ 1,031.27
Legal Fees and Expenses	\$ 25,000.00*
Accountants Fees and Expenses	\$ 10,000.00*
Miscellaneous	\$ 500.00*
Total	\$ 36,531.27*

^{*} Estimated.

The selling stockholders have paid none of the expenses related to this offering.

ITEM 15. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

Pure Cycle Corporation is incorporated in the State of Delaware. Section 145(a) of the General Corporation Law of the State of Delaware (the "DGCL") provides that a Delaware corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that he is or was a director, officer, employee or agent of the corporation or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation or enterprise, against expenses, judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, he had no cause to believe his conduct was unlawful.

Section 145(b) of the DGCL provides that a Delaware corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that such person acted in any of the capacities set forth above, against expenses actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit if such person acted under similar standards, except that no indemnification may be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the court in which such action or suit was brought shall determine that despite the adjudication of liability, such person is fairly and reasonably entitled to be indemnified for such expenses which the court shall deem proper.

Section 145 of the DGCL further provides that to the extent a director or officer of a corporation has been successful in the defense of any action, suit or proceeding referred to in subsections (a) and (b) or in the defense of any claim, issue, or matter therein, he shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by him in connection therewith; that indemnification provided for by Section 145 shall not be deemed exclusive of any other rights to which the indemnified party may be entitled; and that the corporation may purchase and maintain insurance on behalf of a director or officer of the corporation against any liability asserted against him or incurred by

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him in any such capacity or arising out of his status as such whether or not the corporation would have the power to indemnify him against such liabilities under such Section 145.

Section 102(b)(7) of the DGCL provides that a corporation in its original certificate of incorporation or an amendment thereto validly approved by stockholders may eliminate or limit personal liability of members of its board of directors or governing body for breach of a director's fiduciary duty. However, no such provision may eliminate or limit the liability of a director for breaching his duty of loyalty, failing to act in good faith, engaging in intentional misconduct or knowingly violating a law, paying a dividend or approving a stock repurchase which was illegal, or obtaining an improper personal benefit. A provision of this type has no effect on the availability of equitable remedies, such as injunction or rescission, for breach of fiduciary duty. Pure Cycle's Certificate of Incorporation contains such a provision.

The Certificate of Incorporation and Bylaws of Pure Cycle generally allow indemnification of officers and directors to the fullest extent allowed by law. Pure Cycle currently intends to indemnify its officers and directors to the fullest extent permitted by the Certificate of Incorporation, Bylaws and Delaware Law.

We maintain insurance policies under which our directors and officers are insured, within the limits and subject to the limitations of the policies, against expenses in connection with the defense of actions, suits or proceedings, and certain liabilities that might be imposed as a result of such actions, suits or proceedings, to which they are parties by reason of being or having been a director or officer of Pure Cycle.

ITEM 16. EXHIBITS.

Exhibit No.	Description of Exhibit
4.1	Specimen Stock Certificate – Incorporated by reference to Registration Statement No. 2-62483
5.1	Opinion of Davis Graham & Stubbs LLP*
10.1	Purchase and Sale Agreement between Pure Cycle Corporation and Inco Securities Corporation dated August 28, 2006 – Incorporated by reference to Form 8-K filed September 1, 2006
10.2	Registration Rights Agreement between Pure Cycle Corporation and High Plains A&M, LLC dated August 31, 2006 – Incorporated by reference to Form 8-K filed May 16, 2006
23.1	Consent of Davis Graham & Stubbs LLP (included in Exhibit 5.1)*
23.2	Consent of Anton Collins Mitchell LLP*
23.3	Consent of KPMG LLP*
24.1	Power of Attorney*
*	Filed as an exhibit to our registration statement on Form S-3 as filed on April 24, 2007, Registration No. 333-142355 and incorporated herein by reference.

ITEM 17. UNDERTAKINGS.

(a) We hereby undertake:

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- (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 (Securities Act);
- (ii) To reflect in the prospectus any facts or events arising after the effective date of this 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% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in this registration statement or any material change to such information in this registration statement;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to section 13 or section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference into this registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is a part of this registration statement.

- That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered that remain unsold at the termination of the offering.
 - (4) That, for the purpose of determining liability under the Securities Act to any purchaser:
- (i) 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
- (ii) 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 or prospectus that

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.

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

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SIGNATURES

Pursuant to the requirements of the Securities Act, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing a registration statement on Form S-3 and has duly caused this amendment to the registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Denver, State of Colorado, on May 30, 2007.

PURE CYCLE CORPORATION

By: /s/ Mark W. Harding

Name: Mark W. Harding

Title: President and Chief Financial Officer

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

Signature	Title	Date
/s/ Mark W. Harding Mark W. Harding	President and Chief Financial Officer and Director (Principal Executive and Financial and Accounting Officer)	May 30, 2007
/s/ Harrison H. Augur* Harrison H. Augur	Chairman of the Board	May 30, 2007
/s/ Mark D. Campbell* Mark D. Campbell	Director	May 30, 2007
/s/ Richard L. Guido* Richard L. Guido	Director	May 30, 2007
/s/ Peter C. Howell* Peter C. Howell	Director	May 30, 2007
/s/ George M. Middlemas* George M. Middlemas	Director	May 30, 2007
*By: /s/ Mark W. Harding Mark W. Harding, Attorney-in-Fact		

EXHIBIT INDEX

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23.1	Consent of Davis Graham & Stubbs LLP (included in Exhibit 5.1)*
23.2	Consent of Anton Collins Mitchell LLP*

- 23.3 Consent of KPMG LLP*
- 24.1 Power of Attorney*
- * Filed as an exhibit to our registration statement on Form S-3 as filed on April 24, 2007, Registration No. 333-142335 and incorporated herein by reference.

May 30, 2007

Via EDGAR and Federal Express

Mr. H. Christopher Owings Securities and Exchange Commission Division of Corporate Finance 100 F Street, N.E. Washington, D.C. 20549

Re: Pure Cycle Corporation

Registration Statement on Form S-3

Filed April 24, 2007 File No. 333-142335

Form 10-K for Fiscal Year Ended August 31, 2006 File November 21, 2006, amended April 16, 2007

File No. 0-08814

Dear Mr. Owings:

Set forth below are the responses of Pure Cycle Corporation (the "Company") to the comments of the Staff of the Division of Corporate Finance, which were delivered in your letter dated May 21, 2007, regarding the Company's Form S-3 filed on April 24, 2007 and the Company's Form 10-K for the fiscal year ended August 31, 2006 filed November 21, 2006, amended on April 16, 2007. In connection herewith, the Company has filed, by EDGAR, Amendment No. 1 to the Registration Statement on Form S-3. To expedite your review, we have enclosed three copies of the amendment to the Registration Statement marked to reflect the changes made. With respect to your comments to the Company's Form 10-K for the fiscal year ended August 31, 2006, we have included proposed revisions to the 10-K in this letter. If such proposed revisions satisfactorily address your comments, the Company will file an amendment to its Form 10-K incorporating the proposed revisions. We have also enclosed three copies of item 9A of the Form 10-K marked to show the proposed changes for your convenience.

For your convenience, the Staff's comments are indicated in bold below, followed by responses on behalf of the Company.

Form S-3:

Selling Stockholders, page 11

1. Please expand the table to include the natural persons with the power to vote or to dispose of the securities offered for resale by the entities that are listed as selling security holders.

If more than one holder is listed as beneficial owner for the same securities, include explanatory text or footnotes. See Interpretation 4S of the Regulation S-K portion of the March 1999 supplement to the CF telephone interpretation manual.

The disclosure has been amended to include information regarding the natural persons or, where applicable, the public company controlling voting and investment power with respect to the shares being registered on behalf of the selling stockholders in accordance with Interpretation 4S of Regulation S-K portion of the March 1999 CF telephone interpretation manual. To prevent the table from becoming unduly complex, this information has been included in footnotes.

Where You Can Find More Information, Page 15

2. Please specifically incorporate by reference all other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of your fiscal year. We note you have not specifically incorporated by reference the Forms 8-K filed on September 1, 2006 and December 18, 2006. See Item 12(a)(2) of Form S-3.

The disclosure has been amended to include the additional Exchange Act reports to be incorporated by reference into the Registration Statement — namely, five Forms 8-K.

Exhibit 5.1

3. The legal opinion provided to you by counsel expresses its opinion only as to "the General Corporation Law of the State of Delaware." Please have counsel confirm to us or revise the legality opinion to state that the opinion's reference and limitation to the Delaware General Corporation Law includes the statutory provision and also all applicable provisions of the Delaware Constitution and the reported judicial cases interpreting those laws currently in effect.

We hereby confirm that the reference to "the General Corporation Law of the State of Delaware" in our legal opinion, which is included as an exhibit to the Registration Statement, includes the applicable provisions of the Delaware Constitution and the reported judicial decisions interpreting those laws currently in effect.

Amended Form 10-K for the fiscal year ended August 31, 2006

Item 9A. Controls and Procedures, page 66

Management's Report on Internal Control Over Financial Reporting, page 66

4. We note that management assessed the effectiveness of the Company's internal control over financial reporting as of August 31, 2006 and that management concluded that the company has inadequate controls over the process for the identification and implementation of the proper accounting for certain transactions which resulted in

material audit adjustments. You indicate that as a result of this deficiency, there were misstatement in the company's financial statement that were not corrected prior to the original issuance of the fiscal 2006 financial statements, which required a restatement of the fiscal 2006 financial statements. Please revise your Form 10-K to describe more specifically the material weakness and its impact on financial reporting and your controls and procedures. See Item 308 (a)(3) of Regulation S-K.

The disclosure in Item 9A(b) is proposed to be revised in an amendment to the Company's Form 10-K to more specifically describe the material weakness and its impact on financial reporting and controls and procedures, as set forth below:

(b) Management's Report on Internal Control Over Financial Reporting

The management of the Company is responsible for establishing and maintaining adequate internal control over financial reporting. The Securities and Exchange Act of 1934 defines internal control over financial reporting in Rule 13a-15(f) as a process designed by, or under the supervision of, the Company's principal executive and principal financial officers and effected by the Company's board of directors, management and other personnel, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America and includes those policies and procedures that:

- · Pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of the Company;
- Provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with accounting principles
 generally accepted in the United States of America, and that receipts and expenditures of the Company are being made only in accordance with authorizations of
 management and directors of the Company; and
- · Provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

The Company's management assessed the effectiveness of the Company's internal control over financial reporting as of August 31, 2006. In making this assessment, the Company's management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in *Internal Control-Integrated Framework*.

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Based upon its assessment, management concluded that, as of August 31, 2006, the Company has inadequate controls over the process for the identification and implementation of the proper accounting for certain transactions which resulted in material errors not corrected prior to the issuance of the original Form 10-K. The correction of these errors resulted in the Company amending its original Form 10-K to restate its balance sheet and statement of stockholders' equity to (the correction of the following errors are described in greater detail in the Explanatory Note on page 3 as well as NOTE 1 – ORGANIZATION AND RESTATEMENT in the accompanying financial statements):

- 1. Remove the liability Contingent obligations payable upon default by HP A&Mand the contra-equity account Receivable from HP A&M in event of default. As described in the Explanatory Note, certain of the real properties the Company acquired pursuant to the Arkansas River Agreement are subject to promissory notes which are secured by deeds of trust on the properties. Based on consultations the Company had with the Staff of the Commission, it was determined that due to the likelihood of HP A&M defaulting on the promissory notes being remote and therefore the likelihood of the Company losing the properties and water rights subject to the promissory notes being remote, this did not require recognition of a liability pursuant to Statement of Financial Accounting Standard ("SFAS") No. 5 Accounting for Contingencies.
- 2. Restate the liability *Tap Participation Fees payable to HP A&M* and adjust the values assigned to the assets acquired from HP A&M accordingly. As a result of the consultations the Company had with the Staff of the Commission, it was determined that the Company should not have accounted for the Tap Participation Fees as contingent consideration pursuant to SFAS No. 141 *Business Combinations*, nor should the Company have valued the liability using a residual value method as described in the Explanatory Note. Instead, the Company should have valued the Tap Participation Fees using a discounted cash flow method and then allocated the total value of the consideration paid to the acquired assets. As a result of this, the Company completed a discounted cash flow model and reduced the value of the *Tap Participation Fees payable to HP A&M* and the assets acquired from HP A&M accordingly.

A material weakness represents a significant deficiency (as defined in the Public Company Accounting Oversight Board's Auditing Standard No. 2), or a combination of significant deficiencies, that results in more than a remote likelihood that a material misstatement of the annual or interim financial statements will not be prevented or detected on a timely basis.

Because the Company's controls over the process for the identification and implementation of the proper accounting for certain transactions resulted in the aforementioned errors, management concluded that the Company did not maintain effective internal control over financial reporting as of August 31, 2006, which constitutes a material weakness. As a result of the material weakness, the Company restated its originally filed Form 10-K.

Anton Collins Mitchell LLP, the Company's independent registered public accounting firm, who has audited the Company's financial statements included herein, has issued an attestation report on

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management's assessment of the effectiveness of the Company's internal control over financial reporting at August 31, 2006 which report is included herein.

Changes in Internal Controls, page 67

5. We note that you state there have been no significant changes in your internal controls. Please revise to clarify whether there has been any change in your internal control over financial reporting during the last fiscal quarter that has materially affected, or is reasonably likely to affect, your internal control over financial reporting. Refer to Item 308(c) of Regulation S-K.

The Company's disclosure in Item 9A(c) is proposed to be revised in an amendment to Form 10-K to clarify that there were no changes in the Company's internal control over

financial reporting during the last fiscal quarter of 2006 that materially affected, or were reasonably likely to affect, its internal control over financial reporting. The proposed revised disclosure is set forth below

(c) Changes in Internal Controls.

There were no changes in the Company's internal control over financial reporting during the last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

We respectfully request that the Staff indicate as soon as possible whether the proposed revisions to the Company's Form 10-K are acceptable, in which case it will file an amendment to its Form 10-K, and whether there will be any further comments. Any comments or questions regarding this letter should be directed to the undersigned at 303-892-7314.

Very truly yours,

/s/ Wanda J. Abel

Wanda J. Abel for DAVIS GRAHAM & STUBBS LLP

Enclosure

cc: Mark W. Harding, Pure Cycle Corporation Gregory Anton, Anton Collins Mitchell LLP Ted Harms, KPMG, LLP