GEORGIA GULF CORP /DE/ Form 10-K March 01, 2006

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 10-K

x ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2005

OR

o TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from

to

Commission file number 1-9753

GEORGIA GULF CORPORATION

(Exact name of registrant as specified in its charter)

DELAWARE

(State or other jurisdiction of incorporation or organization)
115 Perimeter Center Place, Suite 460, Atlanta, Georgia
(Address of principal executive offices)

58-1563799

(I.R.S. Employer Identification No.)
30346
(Zip Code)

Registrant s telephone number, including area code: (770) 395-4500

Securities registered pursuant to Section 12(b) of the Act:

Title of each class

Common Stock, \$0.01 par value

Name of each exchange on which registered

New York Stock Exchange, Inc.

Securities registered pursuant to Section 12(g) of the Act: **None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes x No o

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes o No x

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes x No o

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant s knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. x

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

Large accelerated filer x Accelerated filer o Non-accelerated filer o

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes o No x

Aggregate market value of the common stock held by non-affiliates of the registrant, computed using the closing price on the New York Stock Exchange for the registrant s common stock on June 30, 2005 was \$1,059,121,275.

Indicate the number of shares outstanding of the registrant s common stock as of the latest practicable date.

Class
Common Stock, \$0.01 par value

Outstanding at February 27, 2006 34,238,653 shares

DOCUMENTS INCORPORATED BY REFERENCE

(To the Extent Indicated Herein)

Proxy Statement for the Annual Meeting of Stockholders to be held on May 16, 2006, in Part III of this Form 10-K.

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PART I

Item 1. BUSINESS.

General

We are a leading North American manufacturer and an international marketer of two integrated chemical product lines, chlorovinyls and aromatics. In our chlorovinyls business, we are:

- the third largest North American producer of vinyl chloride monomer (VCM),
- the third largest North American producer of vinyl suspension resins, and
- the second largest North American producer of vinyl compounds.

In our aromatics business, we are:

- the second largest worldwide producer of cumene, and
- one of the largest North American producers and marketers of phenol and acetone.

Our manufacturing processes also include the production of caustic soda and chlorine. The primary products we sell externally include vinyl resins, vinyl compounds and caustic soda in our chlorovinyls business and phenol, acetone and cumene in our aromatics business. These products are used globally in a wide variety of end-use applications, including construction and renovation, engineering plastics, pulp and paper production, chemical intermediates, pharmaceuticals and consumer products. We believe our vertical integration, world scale facilities, operating efficiencies, facility locations and the productivity of our employees provide us with a competitive cost position in our primary markets.

For selected financial information concerning our chlorovinyls and aromatics product segments and our domestic and international sales, see note 14 and note 17 to our consolidated financial statements included in Item 8.

Plant Shutdowns

On November 29, 2004, we ceased production at our Tiptonville, Tennessee vinyl compounds plant, which was in our chlorovinyls segment. Customers were not impacted as a result of this plant closure due to increased efficiencies and capacity from our other compound manufacturing locations. The Tiptonville long-lived assets were written down to their estimated net realizable value and were sold for approximately this amount in May 2005. The cost associated with closing the facility, writing down the long-lived assets and removing equipment was immaterial.

At the end of 2001 we determined that the sodium chlorate plant was technologically obsolete by industry standards and could not comply with Louisiana environmental regulations. In the fourth quarter of 2001, we incurred impairment-related charges in our chlorovinyls segment of \$4.9 million and accrued \$0.5 million for post-closure related items. We ceased production of sodium chlorate in the third quarter of 2002.

Temporary Plant Idlings

The phenol industry suffered from industry-wide supply and demand imbalance primarily as a result of capacity that was brought online in 1999 and 2000. Rather than continue running both of our phenol/acetone plants of our aromatics segment at lower capacity utilization rates, management temporarily idled the Pasadena, Texas phenol/acetone plant in the second quarter of 2002. Subsequently, we have been able to continue to meet all of our customers needs with phenol/acetone production from our Plaquemine, Louisiana plant. We intend to restart the Pasadena, Texas phenol/acetone plant when market conditions warrant. The net book value of our idled Pasadena, Texas phenol/acetone plant was

approximately \$1.7 million as of December 31, 2005, and is included in property, plant and equipment on our consolidated balance sheet. We estimate we will incur costs of approximately \$3.0 million to restart the plant.

Products and Markets

The following table shows our total annual production capacities as of December 31, 2005, in each of our product lines:

Product Line	Capacity
Chlorovinyls Products:	
Vinyl Compounds	960 million pounds
Vinyl Resins	2.7 billion pounds
VCM	3.1 billion pounds
Caustic Soda	500,000 tons
Chlorine	450,000 tons
Aromatics Products:	
Phenol*	660 million pounds
Acetone*	408 million pounds
Cumene	1.8 billion pounds

^{*} Capacity includes our plant in Pasadena (160 million pounds of phenol and 100 million pounds of acetone), which has been temporarily idled.

Chlorovinyls

Vinyl Compounds. Vinyl compounds are formulated to provide specific end-use properties that allow vinyl compounds to be processed directly into our customers—finished products. All of our vinyl compounds production is sold to third parties. We produce flexible and rigid compounds, which are used in many different applications, including wire and cable insulation and jacketing, electrical outlet boxes and pipe fittings, window and furniture profiles and food-grade and general-purpose bottles. We also supply chlorinated vinyl compounds, or CPVC, to the extrusion and injection molding markets, mainly for production of hot water pipe and pipe fittings.

Vinyl Resins. Vinyl resins are among the most widely used plastics in the world today, and we supply numerous grades of vinyl resins to a broad number of end-use markets. During 2005, 81 percent of our vinyl resins production was sold to third parties who use our resins to formulate vinyl compounds which are then heated and shaped utilizing various extrusion, calendaring and molding processes to create finished products. In 2005 the largest end-uses of our products were pipe and pipe fittings and home siding and windows. We used about 19 percent of our production of vinyl resins internally during 2005 in the manufacture of our vinyl compounds.

VCM. During 2005 we used about 99 percent of our VCM production in the manufacture of our vinyl resins. VCM production not used internally is sold to other vinyl resins producers in domestic and international markets.

Chlor-alkali Products. All of the chlorine we produce is used internally in the production of VCM. As a co-product of chlorine, caustic soda further diversifies our revenue base. We sell substantially all of our caustic soda domestically and overseas to customers in numerous industries, with the chemical (28 percent), pulp and paper (32 percent) and alumina (16 percent) industries constituting our largest markets. Other markets for our caustic soda include soap and detergents and the water treatment industry.

Aromatics

Phenol. Our phenol is primarily sold to producers of phenolic resins and to manufacturers of engineering plastics. Phenolic resins are used as adhesives for wood products such as plywood and Oriented Strand Board, or OSB. Engineering plastics are used in compact discs, digital video discs, automobiles, household appliances, electronics and protective coating applications. We also sell phenol for use in insulation, electrical parts, oil additives and pharmaceuticals. In 2005 the majority of our phenol was sold to phenolic resins manufacturers.

Acetone. As a co-product of phenol, acetone further diversifies our revenue base. Acetone is a chemical used primarily in the production of acrylic resins, engineering plastics and industrial solvents. We sell the majority of our acetone (70 percent in 2005) into the acrylic resins market, where it is used in the manufacture of various plastics and coatings used for signage, automotive parts, household appliances, paints and industrial coatings. Other uses range from solvents for automotive and industrial applications to pharmaceuticals and cosmetics.

Cumene. Cumene is used as an intermediate to make phenol and acetone. About 35 percent of our cumene was consumed internally during 2005 to produce phenol and acetone. Cumene production not used internally is sold to other phenol and acetone manufacturers in domestic and international markets.

Production, Raw Materials and Facilities

Our operations are vertically integrated as a result of our production of some of the key raw materials and intermediates used in the manufacture of our products. Our operational integration enhances our control over production costs and capacity utilization rates, as compared to our non-integrated competitors.

In our chlorovinyls product line, we produce chlorine and its co-product caustic soda by electrolysis of salt brine. We produce VCM by reacting purchased ethylene with chlorine, which is both produced internally and purchased from third parties; our internal production of VCM slightly exceeds our internal demand requirements. We produce vinyl resins by polymerization of our internally supplied VCM in a batch reactor process. We formulate our vinyl compounds by blending our vinyl resins with various additives such as plasticizers, impact modifiers, stabilizers and pigments, most of which are purchased. We also have the capacity to produce ethylene dichloride, an intermediate in the manufacture of VCM, for external sales. In our aromatics product line, we produce cumene utilizing benzene and propylene purchased from third parties. Cumene is then oxidized to produce cumene hydroperoxide, which is split into the co-products phenol and acetone.

The important raw materials we purchase from third parties include ethylene, benzene, natural gas, refinery grade propylene (propylene), compound additives and chlorine. The majority of our purchases of ethylene and chlorine are made under long-term agreements, and we purchase natural gas, benzene and propylene in both the open market and under long-term contracts. We believe we have reliable sources of supply under normal market conditions. We cannot, however, predict the likelihood or impact of any future raw material shortages. Any shortages could have a material adverse impact on our results of operations.

Plaquemine, Louisiana Facilities. Our operations at these facilities include the production of chlorine, caustic soda, VCM, vinyl resins, phenol and acetone. We produce chlorine and its co-product caustic soda at our chlor-alkali facility by electrolysis of salt brine. We have a long-term lease on a nearby salt dome with reserves in excess of twenty years from which we supply our salt brine requirements. We use all of our chlorine production in the manufacture of VCM at this facility and we sell substantially all of our caustic soda production externally. All of the ethylene requirements for our VCM production are supplied by pipeline. Most of our Plaquemine VCM production is consumed on-site in our vinyl resins production

or shipped to our other vinyl resins facilities with the remainder sold to third parties. Our cumene requirements for the production of phenol and its co-product acetone are shipped from our Pasadena, Texas facility by dedicated barges.

Our 250-megawatt cogeneration facility supplies all of the electricity and steam needs at our Plaquemine facilities. We also own an on-site air separation unit operated by a third party that provides all of the Plaquemine facility s nitrogen and oxygen gas requirements.

We have applied for a permit, which, if granted, would permit us to modify our vinyl resins facility to increase capacity by approximately 450 million pounds annually beginning in 2008. There can be no assurance that the permit will be granted. If it is granted we will incur approximately \$100 million to complete the project. See Management s Discussion and Analysis of Financial Condition and Results of Operations Liquidity and Capital Resources.

Lake Charles, Louisiana Facilities. We produce VCM at our Lake Charles, Louisiana facility and through our manufacturing joint venture, PHH Monomers, LLC, which is located in close proximity to our Lake Charles VCM facility. PHH Monomers is a joint venture with PPG Industries, Inc. which entitles us to 50 percent of the VCM production. Virtually all of the chlorine and ethylene needs of our Lake Charles VCM facility and PHH Monomers facility are supplied by pipeline. VCM from these facilities supplies our Aberdeen, Mississippi and Oklahoma City, Oklahoma vinyl resins facilities. On occasion, a small portion of VCM produced at the Lake Charles facilities is sold to third parties.

Aberdeen, Mississippi and Oklahoma City, Oklahoma Facilities. We produce vinyl resins at our Aberdeen, Mississippi and Oklahoma City, Oklahoma facilities from VCM supplied by railcar from our various VCM facilities. In addition, the Aberdeen facility produces plasticizers, which are consumed internally for flexible vinyl compound production.

Vinyl Compounds Facilities. We operate four compounds facilities: Aberdeen, Gallman, Madison and Prairie, Mississippi. All of our vinyl compounds facilities are supplied from our vinyl resins facilities by railcar, truck or in the case of Aberdeen, pipeline. These operations consumed about 19 percent of our annual vinyl resins production during 2005. We purchase our compounds additive needs from various sources at market prices.

Pasadena, Texas Facilities. At our Pasadena, Texas facilities we have the capability to produce cumene, phenol and acetone. We produce cumene utilizing purchased benzene and propylene. Our cumene facility is integrated by pipeline with our phenol and acetone facility at Pasadena. Currently, due to the temporary idling of phenol and acetone production at Pasadena (discussed above), all of the cumene production at this facility is either shipped to the Plaquemine phenol and acetone facility or sold to third parties. We purchase propylene and benzene at market prices from various suppliers connected by multiple transportation modes to our cumene facility. A portion of the benzene is supplied under contracts at market prices, and the propylene is provided from numerous refineries at market prices. Based on current industry capacity, we believe we have adequate access to benzene and propylene under normal conditions.

Seasonality

Operating income for both our chlorovinyls and aromatics segments is somewhat affected by the seasonality of the construction industry, which experiences its highest level of activity during the spring and summer months. Therefore, our second and third quarter operating income is typically the strongest. Our first and fourth quarter operating income usually reflects a decrease in construction activity due to colder weather and holidays.

Sales and Marketing

Our sales and marketing program is aimed at supporting our existing customers and expanding and diversifying our customer base. Our sales and marketing force consists of 31 employees. In addition, we use distributors to market products to smaller customers. This sales force is organized by product line and region. We have a product development and technical service staff that primarily supports our vinyl resins and vinyl compounds businesses. This staff works closely with customers to qualify existing Georgia Gulf products for use by our customers. They also work to develop new products for the customers—existing and new requirements. Our products are sold primarily to domestic industrial companies, and no single customer accounted for more than 10 percent of our consolidated revenues for the years ended December 31, 2005, 2004 and 2003. In addition to our domestic sales, we export some of our products, including our VCM, vinyl resins, vinyl compounds, caustic soda and aromatics products. Export sales accounted for about 15 percent of total sales for 2005, 17 percent for 2004, and 12 percent for 2003. Based on destination, the principal international markets we serve are Europe, Canada, and South and Central America. No export sales to any one country were greater than five percent of total net sales.

Competition

We experience competition from numerous manufacturers in all of our product lines. Some of our competitors have substantially greater financial resources and are more highly diversified than us. We compete on a variety of factors such as price, product quality, delivery and technical service. We believe that we are well-positioned to compete as a result of integrated product lines, the operational efficiency of our plants and the location of our facilities near major water and/or rail transportation terminals.

Environmental Regulation

Our operations are subject to increasingly stringent federal, state and local laws and regulations relating to environmental quality. These regulations, which are enforced principally by the United States Environmental Protection Agency (USEPA) and comparable state agencies, govern the management of solid hazardous waste, emissions into the air and discharges into surface and underground waters, and the manufacture of chemical substances.

In October 2004 the USEPA notified us that we have been identified as a potentially responsible party (PRP) for a Superfund site in Galveston, Texas. The site is a former industrial waste recycling, treatment and disposal facility. Over one thousand PRPs have been identified by the USEPA. We contributed a relatively small proportion of the total amount of waste shipped to the site. In the notice, the USEPA informed us of the agency s willingness to settle with us and other PRPs that contributed relatively small proportions of the total quantity of waste shipped to the Superfund site. We believe that we can reach a settlement with the USEPA in this matter, and although there can be no assurance, we expect the amount of the settlement to be less than \$100,000.

There are several serious environmental issues concerning the VCM facility at Lake Charles, Louisiana we acquired from CONDEA Vista Company (CONDEA Vista is now Sasol North America, Inc.) on November 12, 1999. Substantial investigation of the groundwater at the site has been conducted, and groundwater contamination was first identified in 1981. Groundwater remediation through the installation of groundwater recovery wells began in 1984. The site currently contains about 90 monitoring wells and 18 recovery wells. Investigation to determine the full extent of the contamination is ongoing. It is possible that offsite groundwater recovery will be required, in addition to groundwater monitoring. Soil remediation could also be required.

Investigations are currently underway by federal environmental authorities concerning contamination of an estuary near the Lake Charles VCM facility we acquired known as the Calcasieu Estuary. It is likely that this estuary will be listed as a Superfund site and be the subject of a natural resource damage recovery

claim. It is estimated that there are about 200 PRPs associated with the estuary contamination. CONDEA Vista is included among these parties with respect to its Lake Charles facilities, including the VCM facility we acquired. The estimated cost for investigation and remediation of the estuary is unknown and could be quite costly. Also, Superfund statutes may impose joint and several liability for the cost of investigations and remedial actions on any company that generated the waste, arranged for disposal of the waste, transported the waste to the disposal site, selected the disposal site, or presently or formerly owned, leased or operated the disposal site or a site otherwise contaminated by hazardous substances. Any or all of the responsible parties may be required to bear all of the costs of cleanup regardless of fault, legality of the original disposal or ownership of the disposal site. Currently, we discharge our wastewater to CONDEA Vista, which has a permit to discharge treated wastewater into the estuary.

CONDEA Vista has agreed to retain responsibility for substantially all environmental liabilities and remediation activity relating to the vinyls business we acquired from it, including the Lake Charles, Louisiana VCM facility. For all matters of environmental contamination that were currently known at the time of acquisition (November 1999), we may make a claim for indemnification at any time; for environmental matters that were then unknown, we must generally make claims for indemnification before November 12, 2009. Further, Georgia Gulf s agreement with CONDEA Vista provides that CONDEA Vista will be subject to the presumption that all later discovered on-site environmental contamination arose before closing, and is therefore CONDEA Vista s responsibility; this presumption may only be rebutted if CONDEA Vista can show that we caused the environmental contamination by a major, unaddressed release.

At our Lake Charles VCM facility, CONDEA Vista will continue to conduct the ongoing remediation at its expense until November 12, 2009. After November 12, 2009, we will be responsible for remediation costs up to about \$150,000 of expense per year, as well as costs in any year in excess of this annual amount up to an aggregate one-time amount of about \$2.3 million. In the first quarter of 2004, as part of our ongoing assessment of our environmental contingencies, we determined these remediation costs to be probable and estimable and therefore recorded a \$2.7 million accrual to other non-current liabilities.

The property owned by CONDEA Vista in Mansfield, Massachusetts, for which we negotiated an early lease termination, has been the subject of ongoing environmental investigations under an order with the Massachusetts Department of Environmental Protection. Groundwater investigations continue at the Mansfield property to address identified on-site groundwater contamination and investigate the possible off-site migration of contaminated groundwater. It is also possible that the USEPA may list the property as a Superfund site. The environmental investigations and actions are associated with the past operations at the property and were not assumed in our lease of the property. In addition, CONDEA Vista has indemnified us for claims related to this environmental contamination beyond an aggregate threshold amount of about \$0.3 million, including coverage for potential joint and several liabilities under the environmental statutes. Upon removal of manufacturing equipment and termination of the lease, the site with buildings and infrastructure equipment reverted to CONDEA Vista.

As for employee and independent contractor exposure claims, CONDEA Vista is responsible for exposures before November 12, 2009, and we are responsible for exposures after November 12, 2009, on a pro rata basis determined by years of employment or service before and after November 12, 1999, by any claimant. There is, however, a presumption for claims brought before November 12, 2004, by current or former CONDEA Vista employees and contractors that, absent a showing of new acute exposure after November 12, 1999, all responsibility will be deemed to have arisen before November 12, 1999, and will be solely CONDEA Vista s.

We believe that we are in material compliance with all current environmental laws and regulations. We estimate that any expenses incurred in maintaining compliance with these requirements will not materially affect earnings or cause us to exceed our level of anticipated capital expenditures. However, there can be no assurance that regulatory requirements will not change, and it is not possible to accurately predict the aggregate cost of compliance resulting from any such changes.

Employees

As of December 31, 2005, we had 1,123 full-time employees. We employ approximately 118 employees under a collective bargaining agreement that expires in 2008. We believe our relationships with our employees are good.

Available Information

We make available free of charge on our website at http://www.ggc.com our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) of the Securities Exchange Act of 1934 as soon as reasonably practicable after we electronically file such materials with, or furnish them to, the Securities and Exchange Commission.

Item 1A. RISK FACTORS.

Risk Factors

Our business and financial results and condition may be adversely affected by the risk factors described below, as well as the other risks discussed in this Form 10-K.

The chemical industry is cyclical and volatile, which affects our profitability. Our industry experiences alternating periods of tight supply and overcapacity.

Our historical operating results tend to reflect the cyclical and volatile nature of the chemical industry. Historically, periods of tight supply have resulted in increased prices and profit margins and have been followed by periods of substantial capacity addition, resulting in oversupply and declining prices and profit margins. As a result of changes in demand for our products, our earnings fluctuate significantly, not only from year to year but also from quarter to quarter. Capacity expansions or the announcement of these expansions have generally led to a decline in the pricing of our products in the affected product line. We cannot assure that future growth in product demand will be sufficient to utilize any additional capacity.

Natural gas and raw materials costs and other external factors beyond our control can cause wide fluctuations in our margins.

The cost of our natural gas and raw materials and other costs may not correlate with changes in the prices we receive for our products, either in the direction of the price change or in absolute magnitude. Natural gas and raw materials costs represent a substantial part of our manufacturing costs. Most of the raw materials we use are commodities and the price of each can fluctuate widely for a variety of reasons, including changes in availability because of major capacity additions or significant facility operating problems. Other external factors beyond our control can cause volatility in raw materials prices, demand for our products, product prices, sales volumes and margins. These factors include general economic conditions, the level of business activity in the industries that use our products, competitors—actions, international events and circumstances, and governmental regulation in the United States and abroad. These factors can also magnify the impact of economic cycles on our business. A number of our products are highly dependent on markets that are particularly cyclical, such as the construction, paper and pulp, and automotive markets.

The cyclicality and volatility of the chemical industry affects our capacity utilization and causes fluctuations in our results of operations.

The operating rates at our facilities will impact the comparison of period-to-period results. Different facilities may have differing operating rates from period to period depending on factors such as feedstock costs, transportation costs, and supply and demand for the product produced at the facility during that period. As a result, individual facilities may operate below or above rated capacities in any period. We may idle a facility for an extended period of time because an oversupply of a certain product or a lack of demand for that product makes production uneconomical. Facility shutdown and subsequent restart expenses may adversely affect quarterly results when these events occur. In addition, a temporary shutdown may become permanent, resulting in a write-down or write-off of the related assets.

The chemical industry is highly competitive, with some of our competitors having greater financial resources than we have; competition may adversely affect our results of operations.

The chemical industry is highly competitive. Many of our competitors are larger and have greater financial resources than Georgia Gulf. Moreover, barriers to entry, other than capital availability, are low in most product segments of our business. Capacity additions or technological advances by existing or future competitors also create greater competition, particularly in pricing. We cannot provide assurance that we will have access to the financing necessary to upgrade our facilities in response to technological advances or other competitive developments.

Extensive environmental, health and safety laws and regulations impact our operations and assets; compliance with these regulations could adversely affect our results of operations.

Our operations on and ownership of real property are subject to extensive environmental, health and safety regulation at both the national and local level. The nature of the chemical industry exposes Georgia Gulf to risks of liability under these laws and regulations due to the production, storage, transportation and sale of materials that can cause contamination or personal injury if released into the environment. Environmental laws may have a significant effect on the costs of transportation and storage of raw materials and finished products, as well as the costs of the storage and disposal of wastes. We may incur substantial costs, including fines, damages, criminal or civil sanctions, remediation costs, or experience interruptions in our operations for violations arising under these laws.

Also, Superfund statutes may impose joint and several liability for the cost of investigations and remedial actions on any company that generated the waste, arranged for disposal of the waste, transported the waste to the disposal site, selected the disposal site, or presently or formerly owned, leased or operated the disposal site or a site otherwise contaminated by hazardous substances. Any or all of the responsible parties may be required to bear all of the costs of cleanup, regardless of fault, legality of the original disposal or ownership of the disposal site. A number of environmental liabilities have been associated with the facilities at Lake Charles, Louisiana and Mansfield, Massachusetts that we acquired or leased as part of the acquisition of the vinyls business of CONDEA Vista Company and which may be designated as Superfund sites as described in Environmental Regulation above. Any or all responsible parties, including us, may be required to bear all of the costs of cleanup regardless of fault, legality of the original disposal, or ownership of the disposal site. Although CONDEA Vista retained substantially all financial responsibility for environmental liabilities that relate to the facilities we acquired from them and which arose before the closing of the acquisition of the vinyls business of CONDEA Vista in November 1999, we cannot assure you that CONDEA Vista will be able to satisfy its obligations in this regard, particularly in light of the long period of time in which environmental liabilities may arise under the environmental laws. If CONDEA Vista fails to fulfill their obligation regarding environmental liabilities, then we could be held responsible.

Our policy is to accrue costs relating to environmental matters when it is probable that these costs will be required and can be reasonably estimated. However, estimated costs for future environmental compliance and remediation may be too low or we may not be able to quantify the potential costs. We expect to be continually subjected to increasingly stringent environmental and health and safety laws and regulations. It is exceedingly difficult to predict the future interpretation and development of these laws and regulations or their impact on our future earnings and operations. We anticipate continued compliance will require increased capital expenditures and increased operating costs. Any increase in these costs could adversely affect our financial performance.

Hazards associated with chemical manufacturing may occur, which would adversely affect our results of operations.

Hazards associated with chemical manufacturing and the related storage and transportation of raw materials, products and wastes may occur in Georgia Gulf s operations. These hazards could lead to an interruption or suspension of operations and have an adverse effect on the productivity and profitability of a particular manufacturing facility or on Georgia Gulf as a whole. These hazards include:

- pipeline and storage tank leaks and ruptures;
- explosions and fires;
- inclement weather and natural disasters;
- mechanical failure;
- unscheduled downtime;
- labor difficulties;
- transportation interruptions;
- remediation complications;
- terrorist acts; and
- chemical spills and other discharges or releases of toxic or hazardous substances or gases.

These hazards may cause personal injury and loss of life, severe damage to or destruction of property and equipment, and environmental damage: any of these could lead to claims under the environmental laws. Additionally, individuals could seek damages for alleged personal injury or property damage due to exposure to chemicals at our facilities or to chemicals otherwise owned, controlled or manufactured by Georgia Gulf. Georgia Gulf is also subject to present and future claims with respect to workplace exposure, workers compensation and other matters. Although we maintain property, business interruption and casualty insurance of the types and in the amounts that we believe are customary for the industry, we are not fully insured against all potential hazards incident to our business.

We rely heavily on third party transportation, which subjects us to risks that we cannot control; these risks may adversely affect our operations.

We rely heavily on railroads and shipping companies to transport raw materials to our manufacturing facilities and to ship finished product to our customers. Rail and shipping operations are subject to various hazards, including extreme weather conditions, work stoppages and operating hazards. If we are delayed or unable to ship finished product or unable to obtain raw materials as a result of the railroads or shipping companies failure to operate properly, or if there were significant changes in the cost of these services, we may not be able to arrange efficient alternatives and timely means to obtain raw materials or ship our goods, which could result in an adverse effect on our revenues and costs of operations.