

OUR COMMITMENT TO RESPONSIBLE CARE®



OUR RESPONSIBLE CARE® VISION

NOVA Chemicals
is committed to being
a leader in achieving
and maintaining
superior Responsible Care
performance.

Our ultimate goal is to
operate our businesses
without harm to
people, property or
the environment.

* * *

NOVA Chemicals produces
commodity plastics and chemicals
that are essential to everyday life.

Our employees develop and
manufacture materials for
customers worldwide that
produce consumer, industrial
and packaging products.

DID YOU KNOW?

FTSE, an independent investment
index provider, placed NOVA
Chemicals on its FTSE4Good Index
Series for the 2004 reporting period
for meeting globally recognized
corporate responsibility standards.
Visit the FTSE4Good
(www.ftse.com/ftse4good) and
Corporate Registry websites
(www.corporateregister.com/ftse4good)
to learn more.

Right: NOVA Chemicals' Indian Orchard
facility in Springfield, Massachusetts.

“At NOVA Chemicals, responsible corporate citizenship is the foundation of our business.”



When a business adheres to the principles of corporate social responsibility, everyone wins: employees and families, investors and customers, neighbors and communities. At NOVA Chemicals, our commitment to social responsibility is as strong as our passion for the products we make — the commodity plastics and chemicals that are essential to everyday life.

In addition to upholding strict ethical and fiscal standards, we work to maintain sound, ongoing relationships with all of our stakeholders. We are committed to the chemical industry's Responsible Care® initiative, which requires member chemical companies to go above and beyond regulatory requirements. The Responsible Care program has resulted in significant reductions in releases to air, land and water, major improvements in workplace and community safety, and expanded programs to research and test chemicals for potential health and environmental impacts.

We are proud of our achievements in environmental protection, health, safety and security — but we are never satisfied with our performance. That's why we invite questions, comments, suggestions and input — to better understand any concerns and to improve our results. We strive to perform better every day, because we believe it is the only responsible way to do business.

A handwritten signature in black ink, appearing to read 'Jeffrey M. Lipton'.

Jeffrey M. Lipton
President and Chief Executive Officer
NOVA Chemicals Corporation



PRODUCT STEWARDSHIP

At NOVA Chemicals, we make the “building blocks” — plastic resins and basic chemicals — used in products that make people’s lives better, safer and healthier. Customers use our products to make protective food packaging, life-saving medical devices and supplies, injury-reducing sports gear, lightweight automobile interiors and a host of other items that we all use and benefit from each day. Our approach is to maximize the benefits of these products while minimizing any risks throughout the product lifecycle. We:

- * engage our customers, carriers and distributors to work cooperatively in order to safely handle, use and dispose of our products
- * work with suppliers and carriers to ensure they safely handle, package and transport the raw materials required to manufacture our products
- * conduct research to understand the potential health impacts of products before they are introduced to the marketplace
- * identify and manage issues using a risk-based approach and the best available science and industry practices.



Technologists at NOVA Chemicals’ Technical Centre in Calgary, Alberta, inspect polyethylene pellets for uniformity and quality.

Continuous Improvement

Our Responsible Care Vision drives efforts to improve all aspects of our performance. In December 2004, an independent third-party auditor certified our U.S. Operating Center in Pittsburgh, PA, as compliant with the first phase of the American Chemistry Council’s Responsible Care Management System® (RCMS®). NOVA Chemicals was among the first companies to be certified, and we believe that RCMS will aid us in further improving the effectiveness of our company-wide environment, health, safety and security programs.

DID YOU KNOW?

Responsible Care was first conceived in Canada and launched in 1985 to address public concerns about the manufacture, distribution and use of chemicals. The number of chemical industry associations embracing the Responsible Care ethic has now grown to include 52 countries.

Several independent studies have named Responsible Care among the most rigorous industry responsibility programs in the world.

Through the American Chemistry Council’s Long-Range Research Initiative (LRI), NOVA Chemicals and fellow industry members support research on the health and environmental impacts of basic chemicals and chemical products.



Left: Microwavable food packaging made with NOVA Chemicals’ DYLARK® FG polymer.

ENVIRONMENTAL PROTECTION

DID YOU KNOW?

American Chemistry Council member companies have reduced carbon emissions by nearly 50% per unit of output since 1974.

Canadian Chemical Producers' Association member companies have reduced total emissions of all substances to air, water and land by 78% since 1992. Manufacturing of chemicals has increased during this time, meaning that a kilogram of chemicals is now produced with 83% fewer emissions than in 1992.

Plastics reduce the weight of the average passenger car by more than 110 kg (250 lbs), improving gas mileage and reducing greenhouse gas emissions.

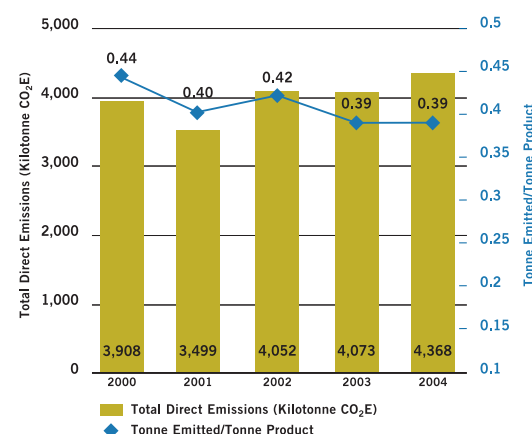
NOVA Chemicals believes in responsible environmental stewardship and using our natural resources wisely. Our company-wide Environment Council regularly reviews our performance and programs to drive continuous improvement in our operations and manufacturing processes. We work to lessen our environmental impact through:

- * the reduction of emissions and hazardous waste
- * the astute management of our use of natural resources, including water, land and energy.

Greenhouse Gas Reduction

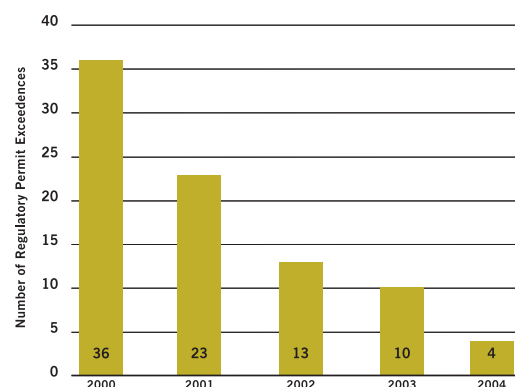
American Chemistry Council member companies have committed to an aggregate 18% reduction in greenhouse gas emissions intensity (defined as the equivalent mass of carbon dioxide emissions per unit of production) from their operations between 1990 and 2012. NOVA Chemicals has adopted this 18% reduction as the corporate target for our manufacturing facilities across Canada, the United States and Europe during the same time frame.

DIRECT GREENHOUSE GAS EMISSIONS CO₂E (LARGE EMITTERS)*



* Large Emitters include NOVA Chemicals' Joffre, Alberta, Ethylene units; Corunna, Ontario; and Sarnia, Ontario, sites.

REGULATORY PERMIT EXCEEDENCES*



* Unusual operating conditions and unexpected equipment failures can cause a facility to temporarily exceed the limits of its operating permit.



Our Canadian manufacturing sites purchase most of their electrical power from cogeneration or hydroelectric facilities, both of which provide less greenhouse-gas-intensive sources of energy. Pictured above is the electrical cogeneration plant at our Joffre, Alberta, facility.



The Joffre, Alberta, site's Soil Enhancement Program results in benefits to both the environment and the community. The site's manufacturing processes produce a lime-calcium carbonate slurry by-product that enhances soil quality, allowing plants to absorb nutrients more effectively and resulting in improved crop yields. During the spring of 2005, 511 truckloads of lime slurry were applied to local farmland.

HEALTH & SAFETY

Safety is one of our core values, and we operate on the premise that all work-related illnesses and injuries can be prevented.

We believe healthy employees are safe employees, so we make ongoing investments in health and wellness programs that are designed to protect employees and contractors by addressing on-the-job behaviors, working conditions and longer-term health issues.

NOVA Chemicals fosters a company-wide culture of accountability and interdependence regarding safety — both on- and off-the-job. Our “World-Class Safety” program engages employees at all facilities in actively promoting safe and healthy behaviors in the workplace and at home.

Another important aspect of health and safety is the effective management of our manufacturing processes and equipment. Through stringent process safety programs and procedures, we reduce the risk of uncontrolled process events in our facilities.

The health and safety of all our community members is also a priority. Our sites sponsor health and safety programs and events in partnership with local police, firefighters, emergency personnel, and other community organizations and neighbors.

At NOVA Chemicals, working safely is a condition of employment.



Transportation Safety

NOVA Chemicals had zero Non-Accident Releases (NARs) in 2004, while safely loading, unloading and inspecting more than 17,000 individual tank cars that contained more than 862,000 kg (1.9 billion lbs) of hazardous materials. We received awards from both the Association of American Railroads/Bureau of Explosives and the BNSF Railway Company for achieving zero NARs.

DID YOU KNOW?

Members of the American Chemistry Council (ACC) and Canadian Chemical Producers' Association (CCPA) spend approximately \$2 billion per year on programs to continually improve worker health and safety.

ACC member companies have a worker safety record that is approximately four times safer than the average of the U.S. manufacturing sector as a whole.

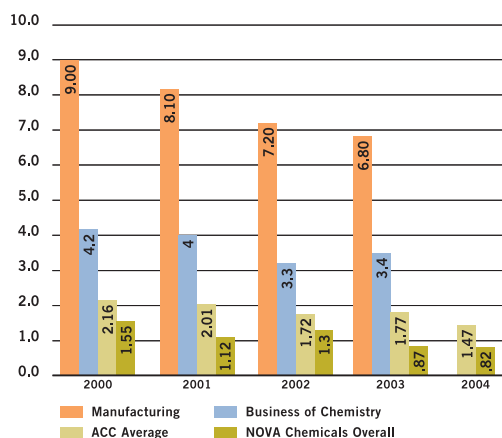
Workers at CCPA member companies were twice as safe in 2004 as in 1992.

According to 2003 Bureau of Labor Statistics incidence rates, workers in the U.S. chemical industry are twice as safe as workers in department stores.

Since 1995, process safety incidents have declined 35% among ACC member companies.

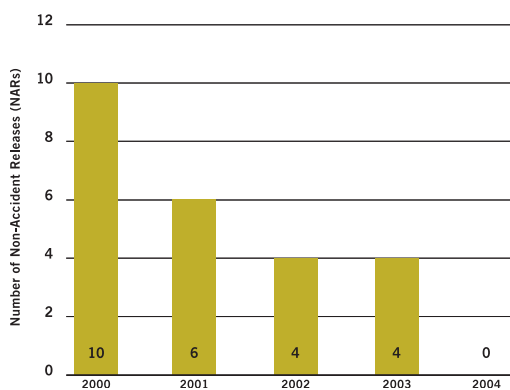
Since 1995, the total number of distribution incidents among ACC member companies declined by 27%, while the volume of chemical shipments increased 11% for the industry.

TOTAL RECORDABLE CASE RATE* COMPARISON



* Total Recordable Case Rate (TRCR): The number of away from work cases, medical treatment cases or restricted work cases (where the work routine is restricted due to the work-related injury or illness) as a rate per 200,000 hours worked.

NON-ACCIDENT RELEASES*



* A key measure of safe transportation for a chemical company is the number of Non-Accident Releases (NARs), defined as instances when a release of hazardous material occurs from a railcar during transport that could have been prevented by maintenance or inspection. Releases usually involve small amounts of material, often as little as 250 milliliters (or approximately one cup).

EMERGENCY PREPAREDNESS

DID YOU KNOW?

NOVA Chemicals completed 100% of our required security vulnerability assessments ahead of schedule.

Emergency preparedness and security are cornerstones of NOVA Chemicals' Responsible Care program.

Without waiting for government action, we joined our American Chemistry Council (ACC) and Canadian Chemical Producer's Association peers in adopting a mandatory, comprehensive security program for all of our facilities worldwide — the ACC's Responsible Care Security Code. More than 2,000 ACC member facilities have completed rigorous security vulnerability assessments to strengthen site, cyber and transportation security as part of this program.

Because security is a serious concern in today's world, we invest significant resources in our ongoing efforts to improve security at our facilities. NOVA Chemicals:

- * identifies and evaluates gaps in physical security and security procedures on a scheduled basis
- * closes identified gaps with sound and prudent countermeasures
- * verifies the effectiveness of countermeasures through the use of independent third parties.

Examples of specific measures that we take at our facilities to enhance security include: identity verification, employee patrols, digital video recording, increased perimeter lighting, and fence and fence line inspections. We are also improving employee education and awareness regarding security issues; implementing stricter controls and accountability regarding all aspects of the handling of hazardous chemicals; and developing even closer relationships with local law enforcement and emergency response personnel.

NOVA Chemicals' Emergency Preparedness and Security Council ensures that we have thorough plans and procedures in place to manage security issues, emergencies or crises at all facilities. All of NOVA Chemicals' plants are regularly assessed through internal programs and audits, and all of our facilities conduct regular drills and exercises to ensure personnel will be ready to respond quickly and efficiently in the event of an actual crisis or emergency.

We are prepared at all times to respond to off-site transportation incidents involving an in-transit release of our products. The NOVA Chemicals' Logistics Emergency Response Team (NOVALERT) is on-call 24-hours-a-day and is distributed on a regional basis so members can respond quickly when needed. We also participate in Transportation Community Awareness and Emergency Response (TRANSCAER®) in North America, a partnership between chemical companies and carriers to help reduce chemical transportation incidents and provide technical assistance and advice in the event of an in-transit product release.



Members of NOVA Chemicals Joffre, Alberta, Emergency Response Team learn winter water rescue techniques from the Sylvan Lake Fire Department's Ice Rescue instructors. The training is part of our ongoing mutual aid partnership with local community police, fire and rescue teams.



In cooperation with Texas A&M University, NOVA Chemicals sponsors an annual Fire School to train site employee emergency response teams and fire service representatives from their neighboring communities. The training provides all participants with industrial fire fighting experience.

RESPONSIBLE CARE IN OUR COMMUNITIES

As a Responsible Care company, NOVA Chemicals respects the right of the public to know about the risks associated with our operations and the transportation of our products. We are sensitive to concerns that may arise among our diverse stakeholders, and we are committed to responding to those concerns. We are also committed to ongoing improvements in the ways that we communicate.

Within the communities where our facilities are located, we have Responsible Care-based initiatives that support our vision of being a "Neighbor of Choice." We openly share information about our operations, products and risk-control processes, including safe operating and transportation practices, incident investigations, and emergency planning and response efforts. Through site open house events and local advisory groups such as Community Advisory Panels (CAPs), we encourage active dialogue with our neighbors to ensure that we address community concerns.

DID YOU KNOW?

Globally, the chemical industry spent more than \$13 billion on environmental, health and safety programs in 2004.

The chemical industry sponsors more than 300 community advisory panels in the U.S. and Canada.



At the Annual Family Safety & Picnic Day organized by our four Ontario manufacturing sites, Ontario Provincial Police demonstrate the impact force absorbed by seatbelts in a collision or abrupt stop with a simulation device nicknamed "The Convincer."



The Breda, Netherlands, site hosts more than 150 local students to learn about environmental issues, safety culture and everyday products made from polystyrene.



Employees from the Bayport, Texas, site lead students in an experiment demonstrating the principles of static electricity at the Galloway School.



At the Corunna, Ontario, site's "Take Your Kids To Work Day" event, students visit the modeling lab, where detailed models of plant equipment are used for employee training and equipment design.

**QUESTIONS? COMMENTS?
WE INVITE YOU TO CONTACT US.**

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U.S. 412.490.4000

E-mail Care@novachem.com



Additional information about our Responsible Care performance is available in the Social Responsibility section of www.novachemicals.com.

To learn more about Responsible Care performance and initiatives in the chemical industry, please visit the websites of the American Chemistry Council (www.americanchemistry.com) and the Canadian Chemical Producers' Association (www.ccpa.ca).

NOVA Chemicals participates in industry organizations that support the responsible use of chemicals and plastic products:

- * Alliance of Foam Packaging Recyclers (AFPR): www.epspackaging.org
- * American Chemistry Council (ACC): www.americanchemistry.com,
www.responsiblecare-us.com, www.transcaer.org
- * American Plastics Council (APC): www.americanplasticscouncil.org, www.plastics.org
- * Canadian Chemical Producers' Association (CCPA): www.ccpa.ca
- * Canadian Plastics Industry Association (CPIA): www.cpia.ca, www.plastics.ca,
Canadian Environment and Plastics Industry Council (EPIC): www.cpia.ca/epic
- * EPS Molders Association (EPSMA): www.epsmolders.org
- * Foodservice and Packaging Institute (FPI): www.fpi.org
- * International Council of Chemical Associations (ICCA): www.icca-chem.org
- * PlasticsEurope (Association of Plastics Manufacturers): www.plasticseurope.org
- * Polystyrene Packaging Council (PSPC): www.polystyrene.org
- * Styrene Information and Research Center (SIRC): www.styrene.org

Responsible Care® is a registered trademark of the Canadian Chemical Producers' Association in Canada and is a registered service mark of the American Chemistry Council in the United States.

DYLARK® is a registered trademark of NOVA Chemicals Inc.

TRANSCAER® is a registered service mark of the American Chemistry Council.

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