Dear readers,

Our environmental program’s credibility and relevance have been recognized yet again! Green Marine and Transport Canada have signed a Memorandum of cooperation that highlights the merits of the marine industry’s environmental program.

And the good news just keep on coming… Our newest participant, Croisières AML, has agreed to sponsor a marine tour during our environmental conference, Green Tech 2012, which is just around the corner. To prepare for the conference, we are compiling participants’ results in order to provide you with a summary of the marine industry’s annual environmental performance. We hope for a great turnout at the cruise, the conferences and the certification ceremony.

Mark 28, 29 and 30 on your calendars!

Happy reading!

TRANSPORT CANADA AND GREEN MARINE SIGN MEMORANDUM OF COOPERATION TO ENHANCE MARINE ENVIRONMENTAL PERFORMANCE

Transport Canada and Green Marine have signed a memorandum of cooperation to enhance environmental protection and performance in the marine shipping sector. The agreement was announced this week to members of the Canadian Marine Advisory Council at its annual meeting in Ottawa. The memorandum of cooperation formalizes a cooperative agreement and designates Transport Canada as a “Green Marine supporter.”

Under this agreement, Transport Canada and Green Marine will work together to:

- enhance the industry’s environmental performance benchmarking;
- support efforts to promote Green Marine’s goals and successes nationally;
- collect environmental data and develop environmental performance measurement standards;
- identify ways to promote industry best practices, measures and strategies that can further address environmental issues in the marine sector.

Download the Memorandum of collaboration

Transport Canada Deputy Minister, Yaprak Baltacioglu and Green Marine Chairman of the board, Raymond Johnston sign the Memorandum of collaboration.

Know someone else who is interested in Green Marine? Please send us their email at manon.lanthier@green-marine.org.
Welcome to our new members!

Green Marine is pleased to welcome three new participants

**Nanaimo Port Authority** is one of Canada’s 19 port authorities mandated to provide facilities to support economic activity and to administer, control, manage and protect navigation and safety in Nanaimo Harbour. Port facilities include deep sea terminals at Nanaimo Assembly Wharf, Duke Point Terminal, Commercial Inlet Basin and Marina, W. E. Mills Landing and Marina for larger vessels, Pioneer Waterfront Plaza Shops and Parking, Seaplane Terminal, Walking/Fishing Pier, Harbourside Walkway and activities include administration of federal water leases in the Port. NPA is the third participant from Vancouver Island to join the environmental program.

**Northern Stevedoring** is among the eleven subsidiaries of Quebec Stevedoring (QSL Group), which has been providing handling, storage and stowage services for over 30 years. Northern Stevedoring operates in three North Shore ports: Baie-Comeau, Port-Cartier and Sept-Îles. With its four terminals, specialized machinery and highly skilled personnel, Northern Stevedoring handles mining goods, dry bulk, forest products and general cargo. QSL handles an annual total of more than 17 million tons of goods.

**Croisières AML**, which celebrates it 40th anniversary this year, is Canada’s biggest cruise-tour boat company. This family-run operation, based in Quebec since 1972, boasts 7 ships and 11 dinghies that navigate the St. Lawrence River and Saguenay Fjord. Its different theme cruises delight more than 500,000 passengers annually. Hospitality and service are the key concerns of the company’s 650 employees. To celebrate becoming a Green Marine environmental program participant, Croisières AML is sponsoring a marine excursion for Green Tech 2012 participants.

Green Marine also welcomes eight new partners

**ABB Turbocharging** is the world leader in turbocharging diesel and gas engines. ABB operates over 110 certified turbocharger service stations in more than 55 countries via an online network linked to its head office in Baden, Switzerland. Fast, direct access to the case history of every one of the more than 180,000 turbochargers ensures proactive support in real time. In Canada, ABB Turbocharging is supported by its Montreal head office and offices in Burnaby, BC and Lunenburg, NS. ABB Turbocharging is a division of the ABB Group, an international leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering their environmental impact.
Founded in 1862, the American Bureau of Shipping (ABS) is a leading international classification society devoted to promoting security (life, property, marine environment) through the development and verification of standards for the design, construction and operational maintenance of marine-related facilities. ABS provides leadership in developing new technologies intended to improve safety standards for the marine and offshore industries. ABS supports a worldwide network of more than 150 offices in 70 countries.

Conflow Technologies specializes in flow measurement and controls equipment in areas such as fuel consumption, wastewater and hydraulic fluid measurements. Conflow Technologies supplies magnetic flow meters, turbine flow meters, mass and hydraulic flow meters, and provides calibration, validation, system integration, installation, trouble shooting and repair services to companies throughout Canada.

Drew Marine is a leading marine supplier for oceangoing vessels and a world leader providing technical solutions and services to the marine industry through its comprehensive line of advanced marine chemicals and equipment. Drew Marine is supported by a worldwide network of service engineers and a global supply chain delivering to more than 900 ports. The company focuses on providing solutions for water treatment, fuel management, cleaning, maintenance, repair and safety.

Environmental Solution Inc. distributes a wide array of eco-friendly cleaning products for industrial, commercial, food manufacturing, marine and soil. Its products provide economical, environmental and time-saving advantages through natural cleaning and contamination removal using bioremediation technology.

Filtramax is the Canadian master distributor for MAHLE Industrial Filtration, the German-based manufacturer that offers a wide range of customized, highly efficient filtration and separation systems: bilge water separation, ballast water treatment, engine maintenance, protection of hydraulic systems and pipelines, transfer and circulation systems, fuel and oil treatment. Representing many major filtration manufacturers, Filtramax has specialized in industrial filtration from coast to coast since 1988.

GENIVAR Inc. is a leading Quebec and Canadian engineering-consulting firm, employing some 5,000 professionals in 85 cities in Canada and abroad. GENIVAR is active in research, engineering, the environment and project management. It offers a comprehensive range of services including studies, master plans, strategic plans, plans and specifications, work supervision and project management in sectors such as marine engineering, hydraulic engineering, civil engineering, transportation and the environment.

International Paint is part of Akzo Nobel, one of the world’s leading industrial companies and largest coating manufacturer operating in more than 80 countries and employing more than 55,000 people. International Paint marine coatings use leading-edge technology in TBT-free antifouling, abrasion resistant coatings and fouling control systems. Its coatings are applied to everything from ballast tanks to decks to underwater hulls.
Green Tech 2012, Green Marine’s 5th annual conference on green technologies and innovation in marine transportation, will be held at the Loews Le Concorde Hotel in Quebec City on May 29-30.

The preliminary program is now online. Green Marine is particularly pleased to announce the participation of Captain David Condie, from the U.S. Coast Guard, who will discuss the importance of creating synergies to achieve a better environment, and of Paul Holthus, from the World Ocean Council, who will address corporate ocean responsibility: industry leadership and collaboration in ocean sustainability.

The trade exhibition running alongside the conference is full-up and features the following exhibitors:

- ABB Turbo
- Amercoat Canada
- Concept Naval
- Filtramax Inc.
- Gaz Metro Solutions
- Transport
- Hermont Marine Inc.
- HullSpeed Performance
- Marine Coatings
- Hyde Marine / Marener
- Engineer Systems
- KRAL USA, Inc.
- Marine Clean Ltd.
- Navware Canada Inc.
- Opdaq Systems
- Sodes
- Technopole maritime du Québec
- Urgence Marine Inc.
- VapCor Inc.
- Vickers Oils
- Wärtsilä Canada Inc.

You can also learn more about the state-of-the-art services and products in our forum on advanced technologies.

**Certification Ceremony**

This year’s participant certification ceremony will take place in the Musée national des beaux-arts du Québec (Quebec national museum of fine arts) during a cocktail reception. Admission is included in the Green Tech conference registration fee.

**Join us for a cruise on the St. Lawrence River**

Green Marine and Croisières AML offer you the best possible view of Old Quebec City! Green Tech 2012 conference participants are invited to enjoy a tour on board the Louis-Jolliet. This captivating 90-minute cruise on the St. Lawrence will introduce participants to the history of the Old Capital, the river and its surroundings thanks to costumed guide Louis Jolliet. Relax on the private deck while admiring an exceptional view of the old fortifications, Château Frontenac, Montmorency Falls, Île d’Orléans, Côte-de-Beaupré and Laurentian Mountains!

- Monday, May 28
- 2:00 p.m. to 3:30 p.m.
- Registration and ticket distribution at Chouinard Pier, 1:00 p.m.
- Boarding, 1:30 p.m.
- Cash bar

To pre-register (required), e-mail Manon Lanthier.

**Green Tech 2012**

Ready to register? The registration form is online. Hope to see you there. Come celebrate Green Marine’s 5th anniversary with us!
The conference would not be possible without the unconditional support of our sponsors:

**Golden Sponsors**
- FEDNAV
- Algoma-Central Corporation
- Desgagnés inc.
- Technopole Maritime du Québec
- Corporation de Gestion de la Voie Maritime du Saint-Laurent
- The St. Lawrence Seaway Management Corporation
- Port de Montréal
- Port of Montreal
- Lloyd’s Register
- CANFORNAV Inc.
- PORT DE QUÉBEC
- Transports Québec
- Croisières AML

**Silver Sponsors**
- Prince Rupert Port Authority
- Oceanex
- Sept-Îles Port Authority
- McKeil Marine
- Chamber of Shipping of British Columbia
- Roche
- Ocean

**Bronze Sponsors**
- Port of Milwaukee
- Bunge Canada
- Société des Traversiers du Québec
INDUSTRY SUCCESS STORIES

FEDNAV INVESTS $400 MILLION IN FLEET RENEWAL

The Federal Sable was the first in a series of fifteen new vessels commissioned from Japanese and Chinese shipyards to arrive on the St. Lawrence River...a month ago. This new cargo vessel will reduce the Fednav fleet's environmental impact and heralds a period of fleet growth and renewal.

Fednav has ordered eight 37,200 DWT ice-class vessels (including the Federal Sable) for delivery in 2012 and four 55,000 DWT bulk carriers designed to navigate ice in winter in places like the St. Lawrence and scheduled for delivery between 2012 and 2014. Finally, the company will also acquire three 35,300 DWT bulk carriers that will be in operation in 2012 and 2015. These fifteen ships represent a total investment of over $400 million.

The Federal Sable’s design offers numerous environmental benefits:

• Reduction (more than 8%) of greenhouse gas emissions;
• Significant reduction of nitrogen oxide emissions («Tier II» engine);
• Installation of a ballast water treatment system. Space in the engine room has been reserved for this purpose and more powerful pumps have been installed. Fednav is also testing new methods for treating ballast water on one of its ships.

CANADA’S LARGEST PORT HONOURED WITH GREEN 30 AWARD

Port Metro Vancouver was recognized as one of Aon Hewitt’s Green 30, the top 30 Canadian organizations whose employees are most positive about their record on environmental stewardship. The Green 30 list was compiled based on employee feedback using Aon Hewitt’s Employee Green Index, which focuses on employers’ environmental strategies and activities, and their efforts to consider long-term social, environmental and economic impacts when making decisions.

UPCOMING EVENTS

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<td>Port Days, Saint John Port Authority, New Brunswick</td>
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<td>June 26-28</td>
<td>Great Lakes and St. Lawrence Cities Initiative Annual Meeting, Québec City</td>
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GREEN MARINE MEMBERS

ASSOCIATIONS

• American Great Lakes Ports Association
• Association of Canadian Port Authorities
• Canadian Shipowners Association
• Chamber of Marine Commerce
• Chamber of Shipping of British Columbia
• Council of Marine Carriers
• Ontario Marine Transportation Forum
• Shipping Federation of Canada
• St. Lawrence Economic Development Council
• St. Lawrence Shipoperators
• United States Great Lakes Shipping Association

Green Wave
### Green Marine Members

#### Participants

**Shipowners**
- Algoma Central Corporation
- Atlantic Towing Limited
- Canconav
- Cogema
- Croisières AML
- CSL Group
- CTMA Group
- Fednav Limited
- Groupe Desgagnés
- Island Tug and Barge
- Lower Lakes Towing Limited
- McAsphalt Marine Transportation Limited
- McKeil Marine
- Ocean Group
- Oceanex
- Provrmar
- Reformar
- Seaspan Marine Corporation
- SMIT
- Société des Traversiers du Québec
- SVITZER Canada
- TBS International/Roymar Ship Management

**Ports**
- Cleveland-Cuyahoga County Port Authority
- Duluth Seaway Port Authority
- Greater Victoria Harbour Authority
- Halifax Port Authority
- Hamilton Port Authority
- Illinois International Port District
- Montréal Port Authority
- Nanaimo Port Authority
- Port of Milwaukee
- Port of Valleyfield
- Prince Rupert Port Authority
- Québec Port Authority
- Saint John Port authority
- Saguenay Port Authority
- Sept-Iles Port Authority
- Thunder Bay Port Authority
- Toledo-Lucas County Port Authority
- Toronto Port Authority
- Trois-Rivières Port Authority
- Windsor Port Authority

**Terminals and shipyards:**
- Bunge du Canada
- Ceres Terminals Inc.
- Cliffs Natural Resources Inc.
- Empire Stevedoring Company Limited
- Federal Marine Terminals
- Imperial Oil (Esso)
- IOC (Iron Ore)
- Les Élévateurs de Trois-Rivières
- Logistec Corporation
- McAsphalt Industries Limited
- Mission Terminal

**Industry Suppliers**
- ABB Turbocharging
- American Bureau of Shipping
- Aspin Kemp and Associates
- Atlantic CAT
- Bell Marine & Mill Supply
- Concept Naval
- Conflow Technologies
- DNV (Det Norske Veritas)
- Drew Marine
- DSS Marine
- Eniram
- Environchem
- Environmental Solutions Inc.
- Filtramax
- GENIVAR Inc.
- Germanischer Lloyd
- Hermont Marine
- International Paint
- Kongsberg Maritime
- KRAL
- Laurentian Pilotsage Authority
- Lloyd’s Register North America
- Magnus Chemicals Ltd.
- Marine and Offshore Canada
- Marine Care USA
- Marine Clean Ltd.
- Marine Recycling Corporation
- Navware Canada Inc.
- OpDAQ Systems
- PESCA Environnement
- Quickload CEF
- Roche
- Seagulf Marine Industries Inc.
- Scott’s Marine Interiors
- S.I.G.E.I.M Inc.
- SNC-Lavalin Environment
- Stelvio Inc. (ShipDecision)
- Urgence Marine Inc.
- V.Ships Canada Inc.
- VapCor Inc.
- Vickers Oil
- Wärtsilä Canada
- Westpier Marine & Industrial Supply Inc.

**Shippers**
- Aluminerie Alouette
- Canadian Salt Company Limited
- Corus International

### Partners

**Other Organizations**
- Comité sectoriel de main-d’oeuvre de l’industrie maritime
- Corporation des pilotes du Saint-Laurent Central
- Georgian College’s Great Lakes International Marine Training Centre
- Maritime Innovation
- Rightship Americas

**Government**
- Environment Canada
- Fisheries and Oceans Canada
- Ministère des Ressources naturelles et de la Faune du Québec
- Ministère des Transports du Québec
- Ministère du Développement durable, de l’Environnement et des Parcs du Québec
- Ministry of Transportation of Ontario
- Transport Canada

**Municipalities**
- Board of Harbor Commissioners of the City of Milwaukee
- City of Bécancour
- City of Calixa-Lavallée
- City of Contrecoeur
- City of Longueuil
- City of Matane
- City of Montréal
- City of Montréal-Est
- City of Mont réal
- City of Montréal- Est
- City of Port-Cartier
- City of Québec
- City of Saint-Amable
- City of Sept-Îles
- City of Varennes
- Communauté métropolitaine de Québec
- Great Lakes and St. Lawrence Cities Initiative
- Marguerite-D’Youville MRC

**Environmental Groups**
- Ducks Unlimited Canada
- Great Lakes United
- Les Amis de la vallée du Saint-Laurent
- Nature Québec
- ONE DROP
- Sedna Foundation
- Stratégies Saint-Laurent
- World Wildlife Fund Canada

**ZIP Committees**
- Jacques-Cartier
- Les Deux Rives
- Lac Saint-Pierre
- Québec Chaudière-Appalaches
- Saguenay
- Ville-Marie

**Others**
- Conseil Patronal de l’Environnement du Québec
- Promotion Saguenay
- Société de promotion économique de Rimouski