



Climate change mitigation may drive the sector's future growth.

inventory work being done at the municipal level in Quebec.

We are also pleased to announce an in-training designation, **EPt(GHG)**, for people with less than five years of experience. This is a great development in recognizing and creating the standards for international GHG professional practise.

Sincerely,
Elizabeth Bowman
Associate Registrar, Certifications

Note from the Registrar

In this edition of the EP News, we are pleased to highlight the work of leading GHG professionals and developments in the sector.

Read on to **meet one of Canada's first EP (GHG)s** and learn about the **GHG**

 FORWARD TO A FRIEND

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Industry Fast Facts

16% of Canada's environmental companies are looking to increase their hiring this year - a significant hike from 2010. [More >>](#)

Developing GHG Inventories

Insights based on experience with Quebec

A significant portion of GHG emissions can be attributed - directly or indirectly - to municipalities; as such, they play an important role in the fight against climate change.



Municipalities are working to reduce GHG emissions.

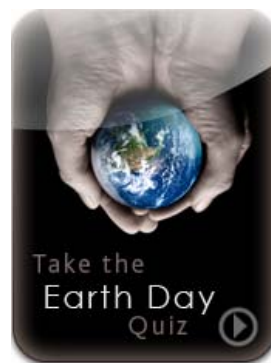
To meet Canadian GHG objectives, **municipalities are developing GHG inventories and action plans to reduce GHG emissions.** For example, the Government of Québec launched the **Climate Change Program for Municipalities** in April 2009. The program provides funding to Québec municipalities for the development of their first GHG inventory, an action plan to reduce GHG emissions and a climate change adaptation plan. The **Government of Québec** has endowed the program with \$10 million through the end of 2012.

The process to develop a GHG inventory is rigorous and must be developed according to an international standard, such as **ISO 14064-1**. An expert in this area is **Jean-Luc Allard, Vice-President of SNC-Lavalin's Environment Division**. He regularly completes GHG inventory work for clients across Canada and internationally, and has been an integral part of creating **SNC Lavalin Environment's** action plans for the reduction of GHG.

To learn about controlling GHG and how municipalities develop GHG inventories, read Jean-Luc Allard's overview in [more detail here](#).

ECO in the News

- [Canadian Students Want to Study Green Programs at University](#)
STUDYMagazine
- [Green Job Opportunities Across Canada](#)
Canadian Immigrant
- [Where the Jobs Are: The Environmental Sector](#)
[Video]
Business News Network



Promoting EP

(EP) Learn about the actions taken in March 2011 to **increase the marketplace demand** for

the EP designation.

View ECO's HR Video Case Studies

See what other leading environmental companies are doing to engage and retain their staff in [ECO Canada's HR Video Case Studies](#).



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Lauren Jones, EP(GHG)

EP Profile of the Month

Lauren Jones, B.Sc., M.B.T., EP(GHG)

We are pleased to profile Lauren Jones, a Greenhouse Gas (GHG) professional from Australia who now resides in Calgary, AB.

Lauren started her career in **environmental auditing** and consulting, specializing in climate change. She worked on the **first mandatory carbon trading scheme**, the New South Wales Greenhouse Gas Reduction Program in Australia, which led to work on the **ISO14064** series of standards including ISO14064-3 and ISO14065. Both appointments were a natural fit with her financial auditing training and prompted a career focused on GHG verification and validation.

The combination of her Australian experience and education (e.g., environmental science, climate change economics, accounting) led to her

recruitment by the **GHG Division of Environment Canada**, which produces Canada's National GHG Inventory. In 2007 Lauren returned to consulting and today is a Senior Associate with **Stantec**.

Lauren is one of the first people to be certified as an **EP(GHG)** specializing in GHG quantification - learn more about this area of practice and her career in this interview.

What is your current role at Stantec and what excites about this position?

My role with Stantec is Canada West Regional Discipline Lead for Climate and GHG Services. This means that myself, and my colleague, Graham Harris, coordinate all GHG and Climate related work being performed in Western Canada. We are responsible for ensuring the best teams are available to our clients and that the quality of work produced meets Stantec's exacting standards. Together, we steer the group and make strategic decisions about which opportunities we will pursue and in which markets we will focus our attention.

This work is exciting as it involves a wide variety of clients and projects who are often on the cutting edge of environmental technology. As a GHG advisor we assist them to find solutions which make business sense as well as bring significant environmental benefits. It is this intersection of economic policy, environmental technology and corporate decision-making that I find most rewarding. We also work with our GHG, **Stantec Sustainability Services** and **Atmospheric Environments** colleagues across Canada and the USA. This team of technical experts allows us to match the perfect fit of personnel for our clients, a task I always find rewarding.

What are some of the most exciting developments in the GHG sector right now?

A couple of things are really exciting me right now. The move towards greater

formalization and accountability in the industry is an important step. I am hopeful the trend towards certification of professionals and the accreditation of companies will lead to more credibility for the carbon markets.

Where do you see the industry in 5 to 10 years?

I sincerely hope to see a more widespread regulated market, particularly at the national level in both the USA and Canada. North America has been slow to move at the national level and has had several 'false starts'. I am optimistic that the measures being implemented at provincial and state levels, through programs such as the [Western Climate Initiative](#) will eventually be unified into a [NAFTA](#) wide system.

We are beginning to see the end of existing projects being recognised by carbon markets and are increasingly seeing new projects being conceived with carbon credits firmly in the fiscal equation. I am heartened by this trend as early evidence that the carbon market may be driving a movement towards a lower carbon economy.

What do you believe is the greatest challenge working in the sector?

The entire climate change sector is 'learning by doing': regulators, verifiers, project proponents and large final emitters. This means regulations, best practice, guidance and professional networks are highly changeable and it is a significant challenge to remain current on all aspects of this field. As regulations are being adopted in Canada (Alberta and BC have them in place, Ontario and Quebec are expected to implement shortly) greater certainty is being afforded which will allow for stabilization of the sector.

What advice would you provide for someone thinking of pursuing a career within the GHG realm?

Generalize! The most valuable asset is a diverse skill set. Combine business or accounting qualifications with science or engineering and you are well on your way. Formal training in [ISO14064-3](#) is critical and should be acquired as soon as practical.

[Click here to read the rest of Lauren's interview](#)

The BP Oil Spill: One Year Later

On April 20, 2010, a gas release and subsequent explosion occurred on the Deepwater Horizon oil rig working for [British Petroleum](#) (BP) in the Gulf of Mexico, claiming the lives of 11 people and injuring several others.

The fire burned for 36 hours before the rig sank, while hydrocarbons leaked into the Gulf of Mexico for 87 days until the well was sealed. Known as the worst marine oil spill in history, many are wondering where the gulf stands today.

Various reports circulate the media, discussing oil remains and damaging environmental effects still in the area. [ECO Canada](#) turns to qualified environmental professionals to shed some light on what to expect, one year after the spill.



Oil taken from the surface of the ocean in 2010.

According to recent news reports, oil remains continue to be washed up on beaches and on the ocean floor. Industry experts tell us that although the volume of oil from an event like this can significantly add to residual oil on the sea floor, it could also be the consequence of leaks from many other oil rigs operating in the Gulf or as a natural occurrence.

[Robert McCharles](#), [EP](#), has been involved with restoration and reclamation site work for over 30 years. A retired partner with [Dillon Consulting](#), he now owns his own company, [McCharles Environmental Services](#). With a background in marine spills, [McCharles](#) offers his insights into the situation.

"Considering the number of drill exploration locations and hydrocarbon production sites in the Gulf it would be a challenge to identify what company is responsible for the tar balls/mats," says [McCharles](#). "Natural seafloor oil seeps can also add to the volume and thus more confusion over source identification."

So what should we expect today? According to [McCharles](#), while BP, state, and federal regulatory agencies are monitoring the location and initial effects of the spill, most wildlife, human, tourism, and fishery impacts have been identified. As for the potential cumulative effects and loss to individuals, counties, and states - these will be settled in court.

"The vast majority of detrimental impacts to the environment have been realized shortly after the release," says [McCharles](#), "We can't lose sight of the fact that this oil came from living organisms and are natural in their chemical composition. The natural environment will utilize the oil and over time, when this food source is used up, we will see little evidence of the spill."



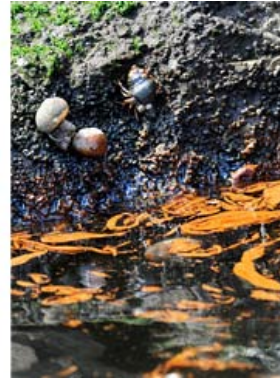
Port Fourchon is one of the main areas for Deepwater drilling in the Gulf of Mexico

What is currently a concern to experts are the effects from the frantic clean-up that was executed after the event. Recent findings show that there is little known about the adverse effects of many of the chemical dispersants used against the spill. "What potential impact the 1.84 million gallons of dispersant that BP released into the environment as a "clean-up" technology will have on the natural environment remains a question for future study," notes McCharles.

With many still expecting remediation efforts from BP, there are differing opinions about next steps. "Currently, the huge volume of released oil not recovered represents a food source for natural organisms and common sense tells us to allow this natural process to finalize the clean-up," says McCharles offering his own insights. "Human intervention/remediation processes at this stage would likely do more harm than good." With many eyes on BP to remedy the situation, McCharles reminds us of the source issues: "Our human nature tells us that more action is required to fix the problem - we need to blame someone or some company and we continue to deny that our demand for hydrocarbons brings with it the negative outcomes we experience."

With the first deep-water drilling permit since last year's spill recently awarded to [Noble Energy Inc.](#), many wonder what lies ahead. Through the [Gulf of Mexico research initiative](#), BP has dedicated over \$500 million to research in the area.

According to McCharles, prevention is key. "As our demand for hydrocarbons continues to increase, we will continue to explore in deeper water, harsher climates, and those areas which are now restricted by moratorium." He adds, "Spill prevention must be the research objective, and considering most experts conclude that we are now using the last half of the available oil supply, we cannot afford to waste this resource."



McCharles suggests allowing natural processes to finalize the clean-up.

Recognition for GHG Professionals

ECO Canada Announces launch of EPT (GHG)

The [Environmental Professional in Training - Greenhouse Gas Reporting](#) title, EPT(GHG) is now available to professionals with less than five years of experience, have completed post-secondary education and specific GHG training and are working or would like to work in the field of GHG reporting.



The EP (GHG) designation not only complies with provincial and national standards but goes beyond that to offer professionals around the world with international standards in which to measure their work against.

The EP(GHG) certification is aligned with the international standards in this field (ISO 14064 parts 1, 2, and 3, ISO 14065, ISO 14066) and is accredited to ISO 17024 by the [Standards Council of Canada](#).

Professionals seeking the EP(GHG) and EPT(GHG) titles will have access to a wide variety of benefits including [discounts](#) on GHG training courses, access to a [network of GHG professionals](#) and interactive [events](#).

For more information on the EP(GHG) or EPT(GHG) designations, visit www.eco.ca/ghg or contact us at certification@eco.ca.

Regional Chapter News - April 2011

The first Annual General Meeting of the [Quebec Chapter](#) of EPs was held on March 21, 2011. The founding charter was passed and the [executive team](#) was named. The executive plans to host more networking events for environmental professionals and to increase the awareness and value of [EP certification](#) in the province.

We look forward to hosting [final EP Event of the 2010/2011 series](#) in Halifax on **May 31, 2011**. To register or learn more, visit www.eco.ca/networking.

Click on your province below for contact information and recent chapter activities.

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| [Quebec](#) | [Atlantic](#)

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Industry News

[Time to Rethink Japan's Energy Future](#)

[Global Banking Industry Stands to Benefit from Green IT Practices](#)

[EPA to Ban GHGs from Auto Air Conditioners](#)

[Greening China - Canadian Trees Take Root in China](#)

[Lower Athabasca Regional Plan will Affect Oil Sands Development](#)

[Five Percent of World's Gas is Wasted](#)

Featured Events & Conferences

[Environmental Project Management Workshop](#)

April 28-29, 2011 - Cochrane, AB

[Environmental Health and Equity - Global Strategies and Innovation](#)

April 30, 2011 - Montreal, QC

[Energy Matters Summit](#)

May 2-3, 2011 - Mississauga, ON

[Brownfields Summit Series: Service Station Remediation](#)

May 3-4, 2011 - Saskatoon & Regina, SK

[PwC Annual Global Forest and Paper Industry Conference](#)

May 11, 2011 - Vancouver, BC

[Canadian Environmental Conference and Tradeshow \(CANECT\)](#)

May 16-18, 2011 - Mississauga, ON

[ISO 14001: 2004 Environment Management Systems Internal Auditor's Training Course](#)

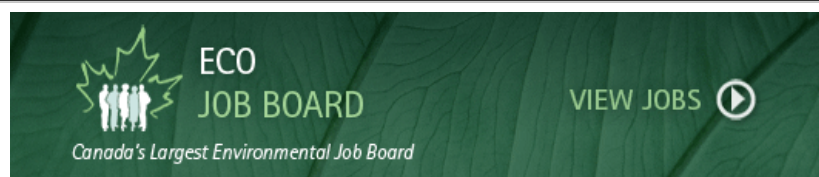
May 18 - 19, 2011 - Calgary, AB

[Contaminated & Hazardous Waste Site Management Course](#)

June 6-10 - Toronto, ON

[The Annual Canadian Water Summit](#)

June 14, 2011 - Toronto, ON



[View all jobs](#) | [Post a job](#)

Here are some of the jobs posted this month:



Environmental Manager

Campbell River, BC - Deadline: May 11, 2011



Environmental Engineer

Ottawa, ON - Deadline: May 11, 2011



Intermediate Environmental Scientist

Calgary, AB - Deadline: April 28, 2011

For full details on the above positions and many more, visit the [ECO Job Board](#).



Environmental Employer of the Year Award Winners

This year, [SIMS Recycling Solutions](#) (large company)



category) and **EDI Environmental Dynamics Inc.** (small-medium sized category) beat out the competition to win the coveted Environmental Employer of the Year Awards (EEYA). The winners were presented their Awards in Montreal, at the **2011 Americana conference.**

The **annual EEYA** recognizes companies in the environment industry for their commitment and dedication to human resource excellence. These awards are unique in that winning organizations are selected based on the evaluation and feedback of their employees - a true testament to a company's efforts in aligning HR practices to support and strengthen workplace culture.



Large company category



Small-medium category

Learn more about the EEYA program and winners at www.eco.ca/awards.

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