

JOB & INDUSTRY NEWS



April 2011

[Job Board](#) | [Certification](#) | [Professional Development](#) | [Aboriginal Programs](#) | [ECO Canada](#)



[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 Scientists

Calgary, AB
Deadline: April 28, 2011



In This Issue

[So what is GHG, Anyways?](#)

[Recognition for GHG Professionals](#)

[The BP Oil Spill: One Year Later](#)

[EP Profile of the Month](#)

[Industry News & Featured Events](#)

Industry Fast Facts

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



Editor's Note: A Closer Look at GHG

April is all about Greenhouse Gas (GHG).

According to ECO Canada's **2010 Sector Trends report**, climate change and mitigation will drive much of the environmental sector's future growth. For example, the global market for carbon credits has increased

Climate change mitigation will drive much of the sector's future growth.

from \$38 million in 2000, to over \$126 billion in 2008, **averaging 175 per cent growth per year** over the period.

This month, ECO Canada launched the **EPT(GHG) - Environmental Professional in Training, Greenhouse Gas Reporting** designation available to professionals with less than five years of experience who have completed post-secondary education, and are working, or would like to work in the field of GHG reporting.

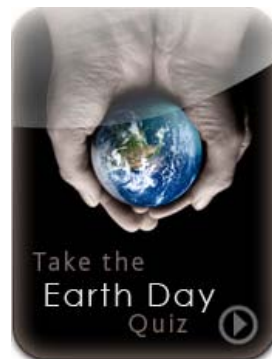
Enjoy the GHG edition of the *Job & Industry News*!

Kevin Nilsen
Director, Professional Services

Try our New Interest Matching Tool

So you like math, cooking and being creative, but you're not sure how that translates into a green career?

Our **Interests Tool** will match you up to environmental jobs you may like based on your best subjects, activities and skills. **Try it** to find out which green career is right for you.



How much do you know about Earth Day and green living?

Take the Earth Day Quiz and find out!

ECO in the News

[Canadian Students Want to Study Green Programs at University](#)
STUDY Magazine

[Green Job Opportunities Across Canada](#)
Canadian Immigrant

[Where the Jobs Are: The Environmental Sector](#)
[video]
Business News Network



Get the Inside Story on the Environment's Top Places to Work

See what leading environmental companies are doing to create an exciting, engaging work environment for their staff in [ECO Canada's HR Video Case Studies](#).



Learn how EBA Engineering creates a great work environment for its employees.

CANECT 2011
May 16 - 18, Mississauga ON



Click to [download a FREE tradeshow pass](#)

So what is GHG, Anyways?

Insights from Bill Palmer EP(GHG)

Climate change, greenhouse gas - with the global trend of "going green," these terms are common in the environment industry. However, since only **5% of environmental professionals are employed in carbon and climate change mitigation**, many may not be completely clear about what it means to work in [greenhouse gas \(GHG\) reporting](#).

How does a day in the life look for a GHG professional? What skills and education are needed to find a career? What is the current state of this Canadian sub-sector? Is it expected to grow?

To answer these questions, ECO Canada interviewed **Vice-President of Cheminfo Services Inc., Bill Palmer, EP(GHG)**.

Palmer describes the busy day of a GHG professional: "Site visit audits start with a good night's sleep, a good breakfast, and a large cup of coffee because you have to be 'on' all day to maximize your time."

A verification plan is followed, which outlines the key data and information that need to be verified. From there, Palmer says the day consists of many activities-meeting with the representatives of the responsible party, going through a facility tour, interviewing various staff, collecting data, and planning the tasks for the next day.

"On the final day, we meet with the facility [staff] to debrief on our site visit findings, and discuss any follow-up requirements, and it's not uncommon to decompress afterwards with a beer or two!"

“

...It helps to have patience and attention to detail. Many of the discrepancies I have found have been due to simple patience in looking deep into calculations and data.

”

For professionals looking to start a career in GHG, Palmer suggests for new entrants to "do their homework in understanding verification standards such as [ISO14064-3](#), technical guidance documents for GHG programs, quantification methodology protocols, different industrial processes, sources and sinks of GHGs, and fuels and their properties."



Despite its prevalence in the media, GHG reporting is still a fuzzy topic for many professionals.



Canada is a world leader in national GHG reporting.

He adds, "It also helps to have patience and attention to detail. Many of the discrepancies I have found have been due to simple patience in looking deep into calculations and data."

Currently, Canada is a world leader at the national level, and has engaged industry to report its emissions and voluntary reduction actions. Provincially, Alberta established the **first climate change regulation in 2007**, and a working system for projects generating offset credits, both of which require verification. British Columbia, Manitoba, Ontario, and Quebec are partners in the **Western Climate Initiative** (WCI) to support the goal of a 15% GHG reduction from 2005 to 2020.

In terms of growth, ECO Canada identified in its labour market report, **Canadian Environmental Sector Trends 2010**, that climate change and mitigation is one of the top expanding subsectors in Canada, and predicts a high worker demand in the

future because of these key drivers:

- Environmental policy and regulation
- Financial and economic factors
- Consumer demand
- Environmental management practices

For more information on GHG emissions, Palmer suggests visiting the **Environment Canada Climate Change** or **GHG Management Institute** websites.

Want to be formally recognized for your GHG expertise? Become certified with **ECO Canada's EP(GHG)-Environmental Professional, Greenhouse Gas Reporting designation**. ECO Canada is now offering an in training option, **EPT(GHG)**, for those with five years of experience who have completed post-secondary education and specific GHG training, and are working, or would like to work in the field of GHG reporting.

[Click here to find out more >>](#)

Recognition for GHG Professionals

Launch of the EPT(GHG) designation

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 meets 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.

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.

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.



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

Robert McCharles, EP, has been involved with restoration and



Oil taken from the surface of the ocean in 2010.

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."

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.

EP Profile of the Month



Lauren Jones, EP(GHG)

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

Jones is a Greenhouse Gas (GHG) professional from Australia who now resides in Calgary, AB. She started her career in **environmental auditing** and consulting, specializing in climate change. Jones worked on the **first mandatory carbon trading scheme** in Australia, which led to work on the **ISO14064** series of standards. Today, Jones works in consulting as a Senior Associate with **Stantec**.

Jones is one of the first people to be certified as an **EP (GHG)** specializing in GHG quantification.

Where do you see the GHG sector 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.

[Click here to read more >>](#)

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 Developments](#)

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

Featured Events

[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

[Canadian Wastewater Management Conference](#)

May 17-19, 2011 - Toronto, ON

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

June 6-10 - Toronto, ON

[The Annual Canadian Water Summit](#)

June 14, 2011 - Toronto, ON

[Forward email](#)



This email was sent to jbanszky@eco.ca by info@eco.ca |
Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

ECO Canada | #200 308 11th Ave. SE | Calgary | Alberta | T2G 0Y2 | Canada

