



BEAHR Training Programs

Environmental Training Opportunities for Aboriginal Communities

Northern Ontario First Nations Environment Conference
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ECO CANADA

I N T R O D U C I N G

ECO Canada

Where the environment's very best are found

Sample Activity



Activity: How Is Local Knowledge Useful In Monitoring

Purpose: To review several situations where local knowledge can be used in a monitoring program.

Instructions: Join into partners or small groups. Review one of the scenarios below and discuss how local knowledge and TEK might be useful in the monitoring program.

Discussion Questions:

Scenario 1: A contaminants dump has been leaking contaminants into the air and water around Snowy Hill Reserve. The managers of the dump and the government have done some sampling around the area that suggests that the contaminants may be in the food chain. However, they do not know if the community of Swanson's Hill has been affected.

- How can local knowledge / TEK help determine if the food chain contains contamination?

Introducing ECO Canada



ECO Canada is a not for profit human resource organization and the national sector council for the environment industry. ECO Canada:

- **Helps individuals develop** meaningful environmental careers
- **Provides employer resources** to find and hire the best
- **Informs** educators and governments of **employment trends**

Highlights of the ECO services:

- Environmental Professional (EP) Certification
- Scholarships for those entering post-secondary programs related to the environment
- Internships & Wage Subsidies – Environmental Youth Corps
- A list of the various environmental programs offered at Post-Secondary institutions across the country
- National Environmental Job Board
- Other Training Opportunities such as management training
- Labour Market Information (LMI)
- Green High Schools

Our mandate is to

“Build the world’s leading environmental workforce”



Aboriginal Initiatives:

With a commitment to increasing Aboriginal employment in the environmental sector, ECO Canada developed the BEAHR Training Programs.

INTRODUCING



BEAHR Training Programs

Environmental Training Opportunities for Aboriginal Communities

BEAHR Training Programs

What are they?

A series of short-term, community based environmental training programs for Aboriginal learners across Canada.

Objective:

To offer targeted training at a pre-technician level, in order to increase Aboriginal participation in the environment industry or related post-secondary programs.

To offer targeted training for Aboriginal communities to develop the skills and capacity to monitor and manage lands.



All BEAHR Training Programs are:

- Adaptable to suit community needs
- Inclusive of Aboriginal culture and knowledge, as well as Elder participation
- Pre-technical programs designed for students who may not have completed high school (Grade 8 / Grade 10 pre-requisite)
- Blend of formal and informal methods of learning, including practical and relevant field experience
- Designed for those who want to pursue meaningful employment in the environmental sector at the assistant level and/or higher education



BEAHR Training Programs

Workforce Training Programs

Environmental Monitoring (EM) Research and/or Regulatory*

- Environmental Core Modules (3 weeks)
- Environmental Monitor - Research (2 weeks)
- Environmental Monitor - Regulatory (2 weeks)

Environmental Site Assessment Assistant (ESAA)

- Environmental Core Modules (3 weeks)
- Environmental Site Assessment (4 weeks)

Contaminated Sites Remediation Coordinator (CSRC)

- Environmental Core Modules (3 weeks)
- Contaminated Sites Remediation (4 weeks)

Land Use Planning Coordinator (LUP)

- Land Use Planning (4 weeks)

Local Environmental Coordinator (LEC)

- Local Environmental Coordinator (12 weeks)

Solid Waste Coordinator (SWC) **

- Solid Waste Coordinator (5 weeks)

Technician Training Programs

Certificate of Applied Environmental Techniques (CAET)

- Certificate Length: 15 weeks
- Environmental Core Modules
- Environmental Monitor - Research
- Environmental Monitor - Regulatory
- Environmental Site Assessment
- Contaminated Sites Remediation

Certificate of Environmental Planning and Administration (CEPA)

- Certificate Length: 16 weeks
- Land Use Planning
- Local Environmental Coordinator

Customizable Certificate

- Certificate Length: 15 weeks minimum
- Workforce Training Programs of your choice

Workforce Training Programs



Environmental Monitoring Coordinator



Environmental Site Assessment Assistant



Contaminated Sites Remediation Coordinator



Land Use Planning Coordinator



Local Environmental Coordinator



Solid Waste Coordinator

Environmental Monitoring Coordinator

Environmental monitors observe the environment and the impacts of human and industrial activities. This program offers both a Research and Regulatory specialization, the option of offering one or both are available. Upon graduation, they can assist with:

- Using standard equipment and tools including safety equipment, maps, GPS and recording equipment
- Incorporating local knowledge into environmental monitoring and planning
- Identifying the pieces of legislation that are used in the environmental sector
- Sampling and testing of various parameters (e.g. soil, water, biological parameters, etc.)
- Communicating effectively with team members and work as part of a team



Environmental Site Assessment Assistant



An environmental site assessment assistant program curriculum prepares students with the essentials of environmental site assessment phases I, II, and III. Upon graduation, they can assist with:

- Sampling and testing activities
- Interpreting and evaluating field data
- Project planning and preparing reports
- Obtaining local knowledge about the site and surroundings



Contaminated Sites Remediation Coordinator

A contaminated sites remediation coordinator assists in the confirmatory sampling of a remediated site and coordinates the long-term monitoring of site health and recovery. Upon graduation, they can assist with:



- Sampling and testing at a site
- Long-term monitoring of site health and recovery
- Developing and implementing a remedial action plan
- Engaging the community about remediation activities

Land Use Planning Coordinator

A land use planning coordinator assists in the development and coordination of a community land use plan. The program curriculum provides students with the fundamental concepts associated with the creation, execution and implementation of a land use plan designed to meet the needs of their community or region. Upon graduation, they can assist with:



- Developing a community vision and goal
- Gathering biophysical and cultural information
- Creating an inventory of community information
- Coordinating a community mapping session
- Identifying and assessing land use options

Local Environmental Coordinator

A local environmental coordinator assists in protecting and improving the quality of the environment in his or her community. The program curriculum prepares students with the fundamentals of environmental management. Upon graduation, they can assist with:

- Developing, implementing, and monitoring environmental plans
- Integrating Traditional Knowledge within data collection and data analysis
- Identifying pieces of legislation that are used in the environmental sector
- Project management; including budget tracking, monitoring project schedules, and supervising staff



Solid Waste Coordinator

A solid waste coordinator is responsible for the management of household and commercial waste in his or her community. The program curriculum teaches students about waste collection, disposal, and diversion processes, as well as supporting community education and waste reduction promotion. Upon graduation, they can assist with:

- Planning, developing and implementing a waste management program
- Administering and communicating a waste management program to the community
- Collecting and disposing of waste
- Diverting waste from the landfill such as recycling
- Operating a landfill facility



Technician Training Programs



Certificate of Applied
Environmental Techniques



Certificate of Environmental
Planning and Administration



Customizable Certificate

Certificate of Applied Environmental Techniques

This comprehensive certificate program teaches students about sampling, testing, interpretation and evaluation of data, preparing reports, regulatory implications, and remedial action plans.

This certificate can be granted upon successful completion of:

- Environmental Core Modules
- Environmental Monitoring Coordinator
Research and Regulatory Specializations
- Environmental Site Assessment Assistant
- Contaminated Sites Remediation
Coordinator



Certificate of Environmental Planning and Administration

This comprehensive certificate offers an introduction to environmental management practices, including communication and life skills, developing and implementing environmental and land use plans, and integrating Traditional Knowledge within data collection and analysis.

This certificate can be granted upon successful completion of:

- Local Environmental Coordinator
- Land Use Planning Coordinator



Customizable Certificate

Two Technician Training Programs are laid-out based on combinations of the programs that may be applicable to a wider audience. However, there is also the option to complete a Customizable Certificate, to meet the needs of individuals, or individual communities.

This certificate can be made up of whichever Workforce Training Programs a community or individual student wishes, to a total of at least 15 instructional weeks.



Delivery Model

Training programs are delivered by third-party Licensed Trainers that have been approved by ECO Canada, and they are offered right in the community.

Our programs are adaptable to suit community needs and can be arranged to accommodate a variety of requirements, including:

- delivery location,
- instructor preference,
- number of students, and
- the length of time to complete the required modules.



Host a Training Program

1. Identify a Trainer

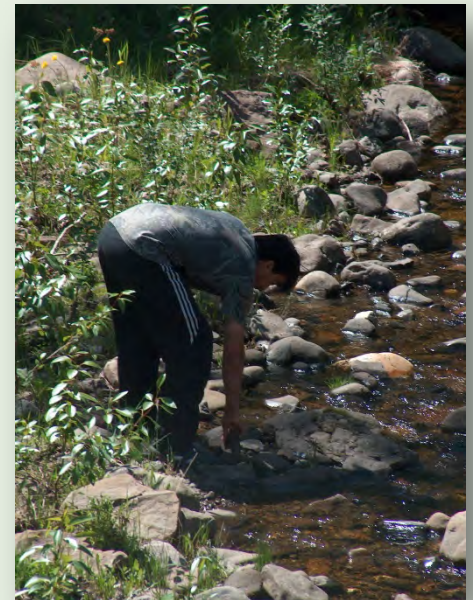
- ECO Canada can provide a list of licensed trainers
- Your organization, or an environmental organization with whom you've already built a relationship, can also apply to become a licensed trainer

2. Determine details of the program with the trainer.

- Venue, student recruitment, date, costs, etc.

3. Program Funding

4. Deliver the program to students!



Host a Training Program

What have other communities done:

- Single-community deliveries or regional deliveries
- Full-time or part-time
- Part of meaningful consultation with industry – training and employment opportunities
- Community Initiatives
 - Such as a Traditional Land Use Study, Solid Waste program, monitoring impacts of industry (mines, pipelines, effluent)
- Become a Licensed Trainer
- Etc...



Become a Licensed Trainer

Process and Requirements

- Applications can be submitted through ECO Canada website
- No cost to apply or to be licensed
- Evaluation Criteria

What are the benefits of becoming a licensed trainer?

- Curriculum that is adaptable to suit the community and trainers' needs
- A new business venture and opportunity to diversify your training offerings
- Builds the environmental talent pool within your community
- Builds mutually-beneficial relationships with local communities
- Partnership opportunities with industry, government, and other communities
- Advertising opportunities through BEAHR
- Have a positive impact on students and promote sustainable development
- Availability of support from the BEAHR team through program delivery

Program Cost

ECO Canada charges:

- \$55 per student per instructional week. For example, a 5 week training program would cost \$275 per student.
- Materials Fee for student and instructor manuals.

All other program costs are determined between the trainer and community

* Please note fees are not inclusive of GST/HST and shipping and handling. Prices are subject to change.

Graduate Skills



Last story we introduced you to Craig Beardsall from Rankin Inlet. Craig recently completed an ECO Canada environmental monitoring program sponsored by Sakku Investments and Stantec and his work placement is with AREVA Resources, working at three different project sites. On August 7 Craig finished his second rotation at an AREVA site – the Kiggavik Exploration camp in Nunavut!

Craig writes of his time at Kiggavik:

My week went very well here at Kiggavik camp. It kept me pretty busy, learned about the drills and the discharge area. Went on wildlife monitor walks, and made sure nothing was out of the ordinary that day. The week flew by and was glad to work here, a great experience. The chopper was fun to fly on. The people were nice here. It was cool to see green rocks where the uranium was shallow, five minutes away by walking from the spot where they plan to put an open pit.

Craig's work at Kiggavik included preparing materials to ship in accordance with Transportation of Dangerous Goods regulations, carrying out gamma radiation surveys before drilling takes place and after drilling has taken place to document any changes, and routine environment and safety inspections at camp and the drill rigs.

This week Craig will move on to his final work placement rotation at the Cluff Lake decommissioned mine site. We will be hearing from him again next week, so check back!



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- Students will graduate with the basic skills required to enter the workforce or pursue higher education opportunities in the environmental field.
- Employers and communities benefit from having trained individuals to recruit from

Program Highlights

2006 to date

- The BEAHR Training Programs have been delivered over 100 times across Canada (in all provinces and territories except PEI)
- Over 1,000 students successfully completed training programs to date - 81% graduation rate
- The employment rate for program graduates stands at approximately 71%
- There are currently 37 Licensed Trainers located across Canada

Upcoming

- Currently developing a 2-day Land Use Planning Workshop
- Potential for students to receive credit at participating Colleges and Universities

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In This Issue

Celebrate Canada and National Aboriginal Day

Inclusion Does Work!

A Spill on Tradition - Managing Environmental Disasters on Traditional Territory

Smokey the Bear's Message Lives On

New initiative provides opportunities for Aboriginals in Canada

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BEAHR
Training Programs

Training Programs

The following programs are currently available for community-based delivery:

- Local Environmental Coordinator
- Solid Waste Coordinator



Celebrate Canada and National Aboriginal Day

June 21st is the longest day of the year in the northern hemisphere, the summer solstice, and the first day of summer. It's also the start of the 15th annual **Celebrate Canada**, an 11-day celebration of what it means to be Canadian. This nationwide event is for all to discover, appreciate, and celebrate Canada's unique culture and traditions through activities that promote understanding and learning in communities across the nation.

The first event on the roster is **National Aboriginal Day** on June 21st, a special day in which First Nation, Métis and Inuit communities across Canada will celebrate in song, dance, and traditional performances and non-Aboriginal people will take part in and celebrate Aboriginal excellence in Canadian heritage.

National Aboriginal Day is a chance for all Canadians to experience the rich culture and deep-rooted traditions of Aboriginal Canadians. It's dedicated to showcasing Canada's best Aboriginal artists and performers, as well as to recognizing, celebrating, and creating awareness about Aboriginal Canadian culture in communities across the country. This is your chance to get involved and become better acquainted with Canada's First Nations, Métis and Inuit peoples.

Newsletters

- Aboriginal Newsletter
- Professional Newsletter

Social Media



ECO Canada's Aboriginal Training Programs



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ECO Canada

ECO Blogs

Engage with other environmental professionals about environmental careers

Testimonials:

“I want to personally thank BEAHR for their support in making it possible for First Nations communities to engage at a level where it helps us to incorporate our traditional and cultural values into these processes and understanding how this may impact our lives into the future.”

- First Nations Chief, Alberta

“The Environmental Monitoring training program gave the students a set of foundation skills and the motivation to pursue further education and employment in the environmental field.”

- Instructor, Northwest Territories



“The fact that the program was delivered on reserve and taught with ties to our own Aboriginal communities was definitely a positive point. The classes were great.”

- Graduate, Nova Scotia



Thank you!

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ECO Canada's Aboriginal Training Programs