



Environment

With a staff of more than 250 employees working from offices throughout Nova Scotia, Nova Scotia Environment is the provincial department responsible for supporting and promoting the protection, enhancement, and prudent use of the environment. It works to achieve these objectives in partnership with all Nova Scotians.



Founded in 1838, Acadia offers more than 200 degrees in Arts, Science, and Professional Studies. In addition to the Environmental Science Degree and several concentrations, Acadia now offers a Bachelor's Degree in Environmental and Sustainability Studies. Our low student/faculty ratio offers students a personalized experience in living and learning sustainability.



Nova Scotia Community College (NSCC) is a post-secondary, applied learning institution offering over 100 different programs in Applied Arts, Business, Health, Human Services, New Media, Technology and Trades. With 13 campuses and innovative distance education options, NSCC reaches learners in their communities, homes and places of work.



Nova Scotia's Waste Resource Management Institute (WRMI)

A PARTNERSHIP OF NOVA SCOTIA ENVIRONMENT, ACADIA UNIVERSITY AND NOVA SCOTIA COMMUNITY COLLEGE

NOVA SCOTIA - A WORLD LEADER IN RECYCLING AND COMPOSTING

Nova Scotia is a world leader in waste diversion. Nova Scotia, Canada, set a course in 1996 that changed the way the province views solid waste. Today, the Province hosts a thriving composting industry, almost 20 composting facilities, and a wealth of knowledge and expertise to share! Waste is now considered a resource that is used to create products, green jobs and reduce environmental impacts.

- Nova Scotia's composting rate is almost 200% higher than the Canadian average
- Nova Scotia's waste disposal rate is 50% lower than the Canadian average
- Nova Scotia's residential recycling rate is 68% higher than the Canadian average
- 100% of residents have access to the curbside collection of paper and containers
- 90% of residents have access to the curbside collection of food and yard waste
- The number of jobs in the waste management sector increased more than 50% since the original solid waste-resource management strategy was initiated.

Come and join us at the Waste Resource Management Institute and learn from our experience and experts on how to solve the many challenges associated with creating and maintaining composting operations, collecting organics and developing backyard composting systems.

FACTS OF INTEREST

- Organic material represents over 50% of the solid waste stream (food, paper and yard waste)
- Organic materials are the most problematic to manage in the waste stream
- Composting is a local solution
- Compost can be marketed locally. It can be used where it is produced.



Dr. Paul Arnold

P. Eng, MBA, PhD

WRMI

Dr. Arnold is an assistant professor with the Ivan Curry School of Engineering at Acadia University in Nova Scotia, Canada. He provides environmental consulting and educational services to private and public organizations, specializing in solid waste management and in particular, compost systems.

Dr. Arnold is recognized nationally for his objective opinions and leadership in the establishment of a progressive compost industry that not only improves process efficiency, but increases product value.

Dr. Arnold has led numerous international compost workshops, most notably on behalf of the Organization of Eastern Caribbean States (OECS) on St. Kitts and St. Vincent and most recently on Tobago. His fundamental approach leaves workshop participants with the knowledge and enthusiasm to successfully begin composting in

Course Fee: CAD \$2,850

Fee Includes:

- Tuition
- Course Materials
- Meals
- Accommodations
- Airport Pickup
- Site Visits

Waste Resource Management Institute Organics Diversion Course

COMPOSTING ON A COMMUNITY SCALE

COURSE DESCRIPTION

This intensive 5 day course will provide you with a foundation of composting science, from the backyard to central facilities. Go home with the knowledge and skill to implement a composting operation in your community, your place of work or your home. This course will help you understand the logistics and challenges associated with initiating and maintaining a composting operation. Learn from Dr. Paul Arnold, Nova Scotia's leading composting expert, on how composting facilities in Nova Scotia have met many of the challenges they faced over the last 15 years.

The course will provide a comprehensive understanding of:

- Environmental challenges - odour, leachate
- Composting science - biological, chemical, physical
- Operational issues - techniques, options, tips, technology, challenges, inputs, outputs
- Regulatory/legal challenges - approvals, permits
- Economic issues - sites, equipment, technologies, tipping fees, contracts
- Educational resources - school and workshop resource
- Markets - products, uses

The course will include 3.5 days of class work and 1.5 days of facility and collection method tours and on-site demonstrations work. Also covered will be the latest research activity related to wallboard composting, animal waste composting, plastics contamination, composting manufactured/engineered wood, compost maturity and bio-solids composting.

A certificate will be issued upon completion.

COURSE EXTRAS

Beyond composting you will also learn about the following related issues:

- Residential and commercial organics collection
- Implementation of the province's food and yard waste disposal ban
- Participation/education
- Worm composting
- Municipal challenges

**Monday, August 9th to Friday, August 13th, 2010
at Acadia University, Wolfville, Nova Scotia**

Located in the beautiful Annapolis Valley. For more information visit <http://wrmi.openacadia.ca>

**For registration, lodging and more course details contact Bob Kenney
at Nova Scotia Environment at (902) 424.0214 or kenneybm@gov.ns.ca**

