

Alberta Landfill and Composting Facility Operator Certification Program

CONTINUING EDUCATION UNIT POLICY

August 2011

Background

All landfills and composting facilities regulated by Alberta Environment are required to have operators certified through the Alberta Landfill and Composting Facility Operator Certification program. Commencing September 1, 2011, the program requires operators to obtain 0.6 continuing education units (CEUs) to renew their operator certificate.

Continuing Education Unit (CEU)

Continuing education units (CEUs) are educational classes or experiences that increase the operator's knowledge of practices in landfill and composting operations. For the Alberta Landfill and Composting Facility Operator Certification program, one CEU is defined as 10 contact hours of participation in an organized, relevant continuing education experience as approved by the Solid Waste Certification Advisory Committee (the Advisory Committee).

CEU for Renewal:

In order for Alberta Environment to accept a CEU for renewal the following criteria apply:

1. To determine how many CEUs an operator can claim for training, check Tables 1 and 2 in this document for the list of approved CEUs.
2. Any organized, relevant continuing education experience that can be referenced to a recognized organization may be assigned CEUs. This includes classroom courses, seminars, conferences, tours or workshops. It also includes courses that are offered by correspondence or on-line. CEUs for correspondence or on-line courses will be determined by assessing the amount of time it would take to deliver the material if it were to be delivered in a classroom setting, not the amount of time it actually takes to complete the course.
3. In-house training by an organization (company, local government, authority or commission) may be acceptable. The training must be evaluated by the Advisory Committee as per instructions provided in item 5 below.
4. The operator must provide proof of attendance. When possible, a certificate of attendance signed by the organizers/instructor is preferred but other means of proof, such as signed attendance sheets for conference sessions, will be considered.

5. If an operator has taken relevant training that is not on the approved list and feels it is appropriate for CEUs, a Request for Course Evaluation must be filled out and submitted to the Advisory Committee, containing: the name and qualifications of the instructor, statement of relevance to landfill/composting operations, a description of the delivery method, and a detailed course outline showing topics and time spent on each topic. Additional information may be requested by the Advisory Committee if deemed necessary to evaluate the training.
6. Any CEUs submitted for renewal must have occurred within three years prior to the operator's renewal date.
7. Course instructors can claim 1.5 times the CEUs listed for a course (i.e. 1 CEU for course participants = 1.5 CEUs for course instructor). If multiple instructors teach one course, the total CEUs must be split between the instructors. The CEUS for the course can be claimed only once.
8. Alberta Environment will not recognize CEUs or award CEUs for the following:
 - Mass media programs (Video/DVD) that are not part of an educational program;
 - On-the-job training, apprenticeships and work experience;
 - Association nomination and elections sessions;
 - Work related staff and committee meetings;
 - Association business meetings and reports;
 - Self directed study without course completion/verification;
 - Assigned reading and study time (homework) associated with any training program;
 - Report writing (exemptions for peer reviewed articles allowed);
 - Trade shows;
 - Product demonstrations (any length);
 - On September 1, 2011 and onward, training not specific to landfill and composting facility operators (for example: WHMIS, First Aid, TDG, H2S Alive, Confined Space Entry...etc);
 - CEUS will not be given for duplicate training such as repeated attendance at the same courses (exception: conferences or workshops with a different program).

Approved CEUs: (Revised August 10, 2011)

Alberta Environment maintains two tables of approved CEUs. The first consists of training opportunities that are continuously available or are available on a regular basis. The second list is training sessions that are no longer available, such as one-time courses, but are still accepted for CEUs.

The training opportunities listed may or may not be currently available. Please contact the training provider directly for more information on specific courses.

Table 1: Current Training Opportunities

Training Opportunity	CEUs	Landfill	Compost
360Training.Com			
Stormwater Management	0.6	•	•
Alberta Municipal Health & Safety Association			
Backhoe/Loader Operator Safety	0.6	•	•
American Water Works Association (AWWA) On-line Course			
Asbestos (General Industry)	0.1	•	
Storm Water Pollution Prevention	0.1	•	•
Compost Council Canada			
Annual National Compost Conference	0.1 per hour		•
Regional Compost Matters Workshop (2 days)	1		•
Compost Facility Operating Practice Course	1.7		•
Edmonton Waste Management Centre of Excellence			
Advanced Technologies for Water Reuse	0.5	•	•
The Big Toss: Options for Food Waste Management	0.3	•	•
Biosolids from Waste to Resource	0.3	•	•
Construction & Demolition Waste Course	0.3	•	
Greenhouse Gas Regulations & Quantifications: Emerging Solid Waste/Wastewater Perspectives	0.3	•	•
Household Hazardous Waste Management	1.2	•	•
Synthetic Fuels from Waste	0.3	•	•
Environmental Services Association of Alberta (ESAA)			
WM - Environmentally Sound Management of Industrial and Hazardous Wastes	1.5	•	•
WM-127 Non-Hazardous Waste Classification	0.6	•	•
RemTech (Conference)	0.3	•	•
Global Innovative Campus			
Sanitary Landfill Design and Engineering	1.5	•	
Nielsen Environmental Field School			
The Complete Ground-Water Monitoring Field Course (5 day course)	3.0	•	•
The Complete Ground-Water Monitoring Field Course (3 day course)	1.8	•	•
The Complete Soil Sampling Field Course	1.8	•	•
The Complete Surface Water & Sediment Sampling Field Course	1.8	•	•

Training Opportunity	CEUs	Landfill	Compost
Olds College			
Compost Facility Operator Training (2.5 days) May not be currently available	1.5		•
SAIT			
Advanced Environmental Considerations ENV5470	4.5	•	•
Applied Industrial Organic Chemistry CHEM330	1.4	•	•
Applied Microbiology Techniques MBIO375	2.4	•	•
Biology/Field Ecology BIOLO201	1.5	•	•
Chemistry 210	6.4	•	•
Chemistry and the Environment CHEM242	7.5	•	•
Ecosystems & Environmental Impact Assessment ENV5236	3	•	•
Environmental Chemistry I ENV5260	4.5	•	•
Environmental Chemistry II ENV5360	3	•	•
Environmental Considerations ENV5402	4.5	•	•
Environmental Microbiology ENV5375	6.4	•	•
Environmental Science/Ecology ENV5320	2.3	•	•
Environmental Technology Program	90	•	•
General Chemistry (CHEM240)	6	•	•
Geology GEOL230	6	•	•
Hydrology/Hydrogeology GEOL235	6	•	•
Introduction to Environmental Organic Chemistry ENV5245	4.5	•	•
Inorganic Chemistry CHEM245	3	•	•
SWANA			
Landfill Operations Basics Training Course	1.2	•	
NLC - Transfer Station Operator Training Course	0.6	•	•
Manager of Landfill Operations (MOLO) Certification Training Course	1.8	•	
Managing MSW Recycling Systems Training Course	1.8	•	•
Managing MSW Collection Systems	1.8	•	•
Landfill Gas Systems Operation and Maintenance	1.2	•	
Landfill Gas Basics	0.6	•	
Manager of Bioreactor Landfill Operations	1.2	•	
Managing Composting Programs	1.8		•
Managing Construction and Demolition Materials	1.8	•	•
Managing Transfer Systems Training	1.8	•	•
SWANA Conferences & Symposiums			
SWANA-NLC Annual Conference & AGM	0.1 per hour	•	•
Canadian Waste Management Symposium	0.1 per hour	•	•
SWANA WASTECON	0.1 per hour	•	•
Landfill Gas Symposium	0.1 per hour	•	•
North American Waste-to-Energy Conference	0.1 per hour	•	•
Landfill Symposium	0.1 per hour	•	•
Recycling & Special Waste Symposium	0.1 per hour	•	•

Training Opportunity	CEUs	Landfill	Compost
SWANA - e-courses			
Integrated Solid Waste Management	6	•	•
Landfill Operations	2.5	•	
Composting Operations	2.5		•
E-Session 75 minutes (Any)	0.125	•	•
Master Composter Programs (Various cities)	0.3		•
University of Alberta (U of A)			
Applied Hydrology	2	•	•
Environment Geology Course (4252) (24 hours)	2.4	•	•
Microbiology Introductory 293	4	•	•
Organic Chemistry 250	13	•	•

Table 2: Previously Offered Training

Training Opportunity	CEU	Landfill	Compost
Alberta Environment			
Compost Marketing Workshop with Ron Alexander	0.6		•
Edmonton Waste Management Centre of Excellence			
Advanced Technologies for Water Reuse	0.5	•	•
Biosolids from Waste to Resource	0.3	•	•