

Residuals and Biosolids Initiatives and Regulations Update Atlantic Canada

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Newfoundland and Labrador

- ❑ Certified companies collect septic and wastewater sludge (Approval to Operate Waste Management System)
- ❑ Sludge is de-watered and composted in Foxtrap, Avalon Peninsula
- ❑ Some composted sludge is used on Xmas tree and sod farms
- ❑ Approval holders are annually inspected

Newfoundland and Labrador

- ❑ There are several types of wastewater treatment facilities across the province
- ❑ A number of these facilities will soon be composting sludge
- ❑ A reed bed wetland (sludge holding/dewatering) is under construction at Appleton/Glenwood



Newfoundland and Labrador

- ❑ St. John's is constructing a wastewater treatment plant
- ❑ The resulting biosolids will be composted
- ❑ The province's Water Resources Division will permit the facility and determine biosolids quality standards
- ❑ In some areas collection and treatment facilities do not exist so landfill disposal is allowed

Prince Edward Island

- ❑ Sludge haulers must be licensed by the Department to apply septage or biosolids to land (Environmental Protection Act)
- ❑ Sewage Disposal Systems Reg's establish setbacks and land application conditions
- ❑ No special requirements (eg NMP, public notification etc) for land application



Prince Edward Island

- ❑ 2 largest municipalities have developed capacity to process all septage on PEI
- ❑ The facilities can produce a Class A biosolid
- ❑ Facilities must submit a Biosolids Management Plan as part of permit (storage and application requirements)

Prince Edward Island

- ❑ Smaller treatment facilities and lagoons handled on case-by-case basis for approvals
- ❑ Department proposes to have facilities meet Atlantic Canada's Wastewater Guidelines
- ❑ Biosolids from lagoons will be considered to meet Class B quality
- ❑ Landfilling of biosolids is prohibited

New Brunswick

- ❑ All biosolids that are land applied must be composted following CCME guides or equivalent
- ❑ Greater Moncton Sewage Comm recently opened its 20,000 tonnes/yr Composting Facility
- ❑ Biosolids from the Comm's Primary Treatment plant is brought to the Compost Facility for composting
- ❑ The Commission has received certification from BNQ for quality of compost
- ❑ The type A compost, called "Gardener's Gold", conforms to Canadian compost standards of 2005

New Brunswick

- All septage haulers require approvals
- Septage must be treated at approved municipal wastewater treatment plants or engineered septage treatment sites
- Septage sites de-water and compost solids
liquid goes to municipal treatment plants

Nova Scotia

- ❑ Biosolids cannot be landfilled or incinerated under the *Environment Act*
- ❑ Currently need approval (Class A, B) or LONO from CFIA (Class A) to land apply, EQ no approval
- ❑ Most wastewater facilities process or compost sludge
- ❑ Revisions to approval process and Biosolids guidelines are underway (late 2009)

Nova Scotia

- ❑ HRM opened its biosolids treatment facility in 2006 (5 wastewater plants and septage) – Halifax facility not operational
- ❑ De-watered sludge is treated using the N-Viro process (12,000 tonnes/yr)
- ❑ Biosolids have been sold to farmers for the past two years
- ❑ Public resistance



Nova Scotia

- ❑ Septage haulers must have Certificate of Qualification issued by the Department
- ❑ The Department has funded upgrade or de-commission of sludge storage lagoons
- ❑ Two septage de-watering trucks
- ❑ Private lagoon operators are investigating treatment options (eg de-watering, composting, geotubes)

Thank You
