
4th Canadian Waste Resource Symposium

“Navigating to 60% Diversion”

April 16, 2008

HRM's Strategy for C&D&R Material

Ultimate Goal is

- Waste % ↓ (disposed)
- Resource % ↑ (recovered/reused)

C&D&R

- typically \pm 30% all material is C&D&R projects;
- in HRM, approx. 125,000 tonnes/yr;
- most communities established private sector C&D&R industry;

C&D&R

- in 1995, Citizens Stakeholder Committee founders of HRM ISWRMS opined not to accept C&D&R at HRM landfill;
- rather need to support and assist local private C&D&R industry, to maximize recovery/reuse;
- C&D&R material not accepted at HRM's Otter Lake RDF.

1995 Provincial Strategy

- long list of banned items, 7 regions (economy of scale) closed old landfills and incinerators;
- replaced by 2nd generation landfills at significant \$;
- Yet – Provincial Strategy no targets/bans for C&D&R material.

HRM – C&D&R Approach

- 2001 – HRM amended all 19 LUBs creating 3 new zoning designations for all private C&D&R owned/operated facilities:
 - CD 1 – Transfer Station
 - CD 2 – Processing Facility
 - CD 3 – Disposal Facility

HRM – C&D&R Approach

- licensing By-Law higher (than NSEL)
separation distances to nearest residential structure, management/operations plan, bonding, insurance, fire safety plan, etc., and target of:
 - 50% diversion in 2001
 - 60% diversion by 2002
 - 75% diversion by 2006

HRM – C&D&R Approach

- All contained in By-Law L-200 and Administrative Order #27
- (also separate requirement in By-Law S-600, which prohibits the exportation of any material – C&D&R included for disposal)

2005 Dillon Consulting – C&D Study for the Province

■ **Conclusion:**

- ❑ Province to require Municipalities to have a C&D Management Facility Licensing regime;
- ❑ Track C&D&R material through Municipal permits;
- ❑ Provincial ban on specific C&D&R materials;
- ❑ Best practices and funding for projects;

2005 Dillon Consulting – C&D Study for the Province

■ Conclusion Continued:

- Standardize Provincial Enforcement at C&D Landfills;
- Provincial leadership – i.e. tenders for demo/construction “walk the talk” – maximize recovery;
- Education
 - Public
 - Industry
 - Government Sector
 - Research, broadcast achievements

Regional Chairs Discussion

- discussed at Regional Chairs Committee (representing elected officials and staff of 55 municipalities) of initiating individually, or by the Province, similar regime as HRMs;
- decision not to implement;
- presently unlevel playing field in NS - higher separation/recovery standard of C&D&R in HRM than the rest of NS.

HRM - Enforcement

- Successful prosecution of C&D&R truckers taking material over the HRM border to NS Environment permitted private C&D&R disposal facility in northern NS – fine of \$4,600 – next incident HRM injunction.

Going Forward

- 300 kg/per capita by 2015 will not be achieved without maximizing recovery/reuse of C&D&R;
- HRM model is “all encompassing”;
- for other municipalities – doesn’t have to be “all or nothing”;

Going Forward

- MGA enables a municipality to adopt a Licensing By-Law setting targets with a list of C&D&R material that has to be recovered/reused;
- open/public process – working with local C&D&R industry;
(optional: for new (3) zoning for types of C&D&R facilities as HRM did);
- Province – amend Provincial regulations by 2012 banning similar items included in Admin. Order #27.

Markets C&D&R

- 75% diversion/reuse target for C&D&R met by local C&D&R industry;
- very heavy reliance on C&D&R matrix as Alternate Daily Cover at landfill \pm 75%;
- C&D&R industry can't be complacent – must look for new opportunities/ markets/uses;

Markets C&D&R

- NS C&D&R industry disadvantaged (as in other Provinces) where significant subsidy by government through tax relief, capital gains exemption/deferrals for industry that extracts raw resources i.e. mining, forestry, oil, etc.;
- Similar incentives required for C&D&R industry for:
 - Capital acquisitions, i.e. new \$ equipment;
 - \$ for market development, i.e. Research & Development (Pilot Projects).

Conclusion

- through RRFB special projects and Value Added, \$'s are available;
- NS C&D&R industry mostly will not look for new opportunities for developing new uses/markets unless “pushed” by impending legislation;
- time for the Province to initiate a process of setting targets and a timeline for the banning specific C&D&R material from disposal by 2012.

Incentive for Municipalities?

YES!!!

- \$25/tonne diversion in credit \$ from RRFB;
- Example – one demolition project;
- 10,000 tonnes material
 - x \$25
 - $\$250,000 \times 75\% = \$187,500$
 - additional revenue for the Region;
- Extend life of 2nd generation landfill.

HRM's Strategy for C&D&R Material

Thank You

- Details:
 - HRM By-Law L-200
 - Administrative Order # 27

www.halifax.ca

Quick Link ⇒ HRM By-Laws (L-200)

Search ⇒ Administrative Order #27