

RDNO Solid Waste Management Plan Review (2007 – 2011)

PLAN REVIEW COMPLETION SCHEDULE

Last Revised: March 30, 2010 by N. Kohnert

ITEM	Description	Date	Status
1	Phase 1 Report <i>Waste diversion status and long list of initiatives to investigate in Phase 2</i>	September 2007	Complete (published)
2	Phase 2 Report <i>Summary plus copy of all technical reports - 12 reports (5 presented to Board and public to date)</i>	By July 2010	12 technical reports completed by consultant, 5 tech reports not reviewed, & consolidated summary report not started
3	2010 Plan Update – Draft <i>Format: - Executive summary - Plan Review objectives - list of principles and objectives (including waste reduction target) - list of initiatives/strategies for achieving targets (including diversion potential and resources required) - implementation plan (at a glance) - RDF action plans (based on updated O&C Plans) - annual report format with performance measures</i>	By October 2010	Not started
4	Consultation <i>Present draft Plan Update to Committee of the Whole for endorsement, inviting the public to attend by placing appealing ads in the local newspapers. Refer draft to Member Municipalities for review and comment (request 1 month turnaround) [they may request presentation at council] Refer draft to MOE, for review and comment (request 1 month turnaround)</i>	Start November 2010	Not started
5	Final 2010 Plan Update <i>Final form of draft Plan Update with edits as per consultation</i>	By February 2011	Not started
6	2010 Plan Update – Board Approval <i>With Committee of the Whole approval of final draft, obtain resolution from Regional Board for submission to MOE</i>	By February 2011	Not started
7	2010 Plan Update – MOE Approval <i>Obtain MOE approval of final 2010 Plan Update and then publish on Web Site</i>	By April 2011	Not started

PHASE 2 OVERVIEW - Technical Reports
RDNO Solid Waste Management Framework for Next Ten Years

Reports Prepared by Consultant (2)	Description	Waste Diversion Potential (tonnes/year) (3)	Implementation Time Line	Costs (1)
Administrative				
Use development cost charges for solid waste management infrastructure	Report on the ability to use DCCs for solid waste management infrastructure. <i>[Action: investigation required by RDNO staff – requires changes to LGA, so lobby for the change if any appetite on Govt’s part]</i>	N/A	5 yrs	N/A
New Enterprise Fund - to financially assist waste reduction initiatives	Report on the establishment of a fund for municipal solid waste reduction projects/programs initiated by the private and non-profit sector. <i>[Action: application program already established – annual undertaking]</i>	5 – 10 tonnes/year	complete	\$10,000 /yr
Improved interregional waste management cooperation	Report on the feasibility of setting up an interregional municipal solid waste management committee similar to OBWB. <i>[Action: establish interregional MOU - develop Terms of Reference for a Committee and list of interregional issues to work through]</i>	N/A	2 yrs	N/A
Waste Reduction and Recycling				
New eco-depot collection system	Report on the implementation of an eco-depot collection system for EPR and other recyclable material at one or two locations in the RDNO (one-stop-drop).	100 – 500 tonnes/year	2 – 5 yrs	\$200,000 capital (shared with Stewards)

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	<p><i>[Action: staff to consult with all recyclers in RDNO to see if there is appetite for an eco-depot that is funded by Product Stewards – if so, develop design and operations plan in cooperation with all partners]</i></p>			
<p>Improved Blue Bag processing system and facility</p>	<p>Report on the establishment of a new, renovated or out of region Blue Bag material processing facility.</p> <p><i>[Action: Board decision to solicit proposals to build on current site (Birnie Road) – draft and release RFP]</i></p>	<p>2,000 tonnes/year</p>	<p>1 – 2 yrs</p>	<p>\$3 Million (new building) capital plus \$250,000/year operating (depending on revenue share agreement)</p>
<p>Improved curbside Blue Bag and drop center programs</p>	<p>Report on upgrades needed to the current Blue Bag curbside and depot collection programs to improve efficiency and increase quantity recycled. [expanded into EA F already – 2008/2009]</p> <p><i>[Action: design programs for textiles, fluorescents, agriculture plastic, bulky plastic items collection; and increase recycling program coverage (2 more depots)]</i></p>	<p>2,100 tonnes/year</p>	<p>2 – 5 yrs</p>	<p>\$557,500 capital, 253,500/yr operating (bulk of cost is for 2 new depots primarily)</p>
<p>New Blue Bag recycling program for the business sector</p>	<p>Report on implementation of a Blue Bag recycling program for the business sector. [City of Vernon started program in 2009 for all businesses in City]</p> <p><i>[Action: determine collection zones in the region (e.g. Armstrong, Vernon, Lumby, Enderby) and develop RFP with franchise options.]</i></p>	<p>500 tonnes/year</p>	<p>2 – 5 yrs</p>	<p>Cost recovery through collection contracts</p>
<p>New Regional universal curbside garbage and</p>	<p>Report on amalgamating all Blue Bag, garbage and yard waste collection programs in the RDNO.</p>	<p>5,000 tonnes/year</p>	<p>2 – 5 yrs</p>	<p>Cost recovery through collection</p>

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recyclables collection program	<p>[developed Waste Management MOU between member municipalities and RDNO]</p> <p><i>[Action: develop new waste-shed collection areas and tender collection of Blue Bag and garbage together in all areas currently receiving Blue Bag collection (assess split truck option and adding yard/garden waste).]</i></p>			contracts (saving to customers: 20% per hh/mo)
New C&D waste management strategy	<p>Report on establishment of a construction and demolition waste management strategy for the region. [increased tipping fee for mixed demolition waste – effective July 2010]</p> <p><i>[Action: implement strategy at all RDFs, including voluntary initiatives, regulatory & policy requirements, and economic incentives and disincentives.]</i></p>	13,400 tonnes/year	1 – 5 yrs	Potential additional grinding costs if matl does not go to private RDF and \$22,000/year education/promotion
New organic waste management strategy	<p>Report on establishment of an organic waste (including food waste) management strategy for the region.</p> <p><i>[Action: implement strategy including the Regional Yard Waste Composting Facility, conduct feasibility study for food waste composting primarily with private sector, expanded backyard composting education, mandatory yard waste separation, expanded yard waste collection programs, expanded mulch production program, and improved wood waste segregation.]</i></p>	4,750 – 7,050 tonnes/year	1 -10 yrs	Gas Tax Grant for RYWCF: \$1M plus \$125,000/year operating; \$50,000 capital for north Vernon depot and \$47,500 /year operating (and cost recovery through collection contracts)

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Waste Disposal				
New non-typical municipal solid waste disposal policy	<p>Report on adding non-typical municipal solid waste to the RDNO Solid Waste Management Plan, including collection, recycling and disposal of agricultural and industrial waste in the RDNO's integrated waste management system.</p> <p><i>[Action: where Board and MOE approve, specify acceptance of renderable & non-renderable materials, agriculture wastes, treated biomedical waste, asbestos waste, contaminated soil, and fibreglass manufacturing waste in SWMP since these materials are coming to the RDFs already but are not considered MSW.]</i></p>	N/A	1 – 5 yrs	May require additional handling costs at RDFs
New waste to energy options for the RDNO	<p>Report on the feasibility of establishing a municipal solid waste to energy facility in the North Okanagan.</p> <p><i>[Action: where Board approves conduct a siting and feasibility study for a WTE facility in the RDNO.]</i></p>	N/A	5 – 10 yrs	Capital recovery and operating: \$50/tonne and \$115/tonne

NOTES:

1. Staff time is not included in the costs
2. Items in bold have been presented to the RDNO Board of Directors and the public
3. Additional tonnes compared to current diversion level