

# Residual Waste Working Group

2009 Annual Report

Public Works and Infrastructure Committee,

April 20, 2010

# RWWG Responsibilities

provide input, advice and feedback on formal submissions, communications or reports having to do with the mandate of the RWWG and/or the Residual Waste Planning Study

participate to the extent allowed by City policies in the procurement processes

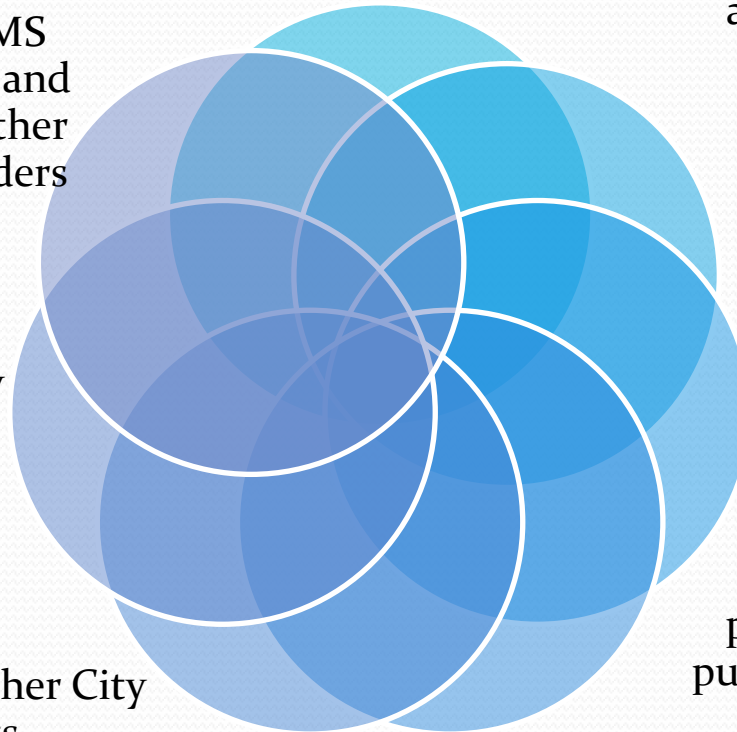
participate in SWMS presentations, trips and tours that engage other interested stakeholders

participate as a member of the Integrated Solid Waste Stakeholder Group (ISWSG)

engage in community outreach initiatives

plan and participate in public consultation events

collaborate with other City departments



# 2009 Milestones

## ***Internal Meetings***

- 10 RWWG meetings
- 3 ISWSG meetings
- Ongoing collaboration with SWMS staff

## ***Mixed Residual Waste Planning Study***

- Provided written comments and feedback, including on LCA and HIA
- Provided comment and input on the RFPQ

## ***Stakeholder Engagement relating to Mixed Waste Facility***

- Collaborated with the City to develop and implement a consultation plan
  - Developed the consultation questions
  - Provided suggestion on advertisement options and placement in local media
- Provided advice regarding local stakeholder consultations
  - Assisted the City in preparing public open houses in Southwold Township
  - Gave a presentation to the Green Lane Public Advisory Committee
- Consulted with 3Rs Group on the Residual Waste Study results

# 2009 Milestones

## ***Other Stakeholder Engagement and Outreach***

- Submitted letters of introduction to local newspapers regarding RWWG's role
- Provided comments to local newspapers on articles related to the City's waste management programs

## ***MOE Consultations & Comment Submission***

- WDA review
- Compost Guidelines review

## ***Tours***

- Edmonton Facility (along with SWMS, Green Lane PLC, First Nations Reps)
- Co-hosted Dufferin Facility tour for representatives from California

Initial Consultation On  
Evaluation Methodology and Criteria

**Technologies**

- identify potential technologies
- screen potential technologies
- develop potential systems
- collect data on technologies
- consult on relative importance of criteria
- evaluate systems to determine relative advantages and disadvantages
- confirm site requirements
- **identify short list of systems**
- consult on results

**Sites**

- Identify potential City owned sites
- identify potential willing seller and partner sites, if necessary
- screen potential sites
- collect data on sites
- consult on relative importance of criteria
- evaluate sites to determine relative advantages and disadvantages
- **identify short list of sites**
- consult on results

Information Sharing  
& Feedback

**Council Approval  
of  
short list of systems and sites**

**Site Specific Systems**

- develop site specific systems
- consult on evaluation methods and criteria
- collect data to apply criteria'
- evaluate potential effects, mitigation and net effects
- consult on relative importance of criteria
- compare relative advantages/disadvantages
- **identify preferred site specific system**
- consult on results

**Council Approval  
of preferred alternative**

The Residual Waste  
Study -- "Y" Diagram  
Methodology

# Screening Criteria

- Ability to divert 75,000 TPY from landfill
- Ability to conform to MOE Policy Statement on Diversion
- Realistic ability to market recovered materials
- Ability for markets to meet Ontario Environmental Standards
- Ability to dispose of the residual material in the Green Lane landfill
- Technology to have a proven operating history
- Ability to have facility under construction by 2010

# Residual Waste Planning Study: Site & Technology Assessment

## 7 Waste Processing Technologies

- Mechanical Separation for Material Recovery;
- Mechanical Biological Treatment ("MBT") with Compost-Like-Output ("CLO") diverted;
- MBT with the CLO produced going to landfill;
- MBT with CLO diverted and Refuse Derived Fuel ("RDF") production;
- Mechanical Separation with RDF Production;
- Thermal Treatment with Energy Production; and
- Steam Classification Process.

## 12 City-owned SWMS sites:

- **Landfills:**
  - Beare Road
  - Brock East
  - Brock West
  - Green Lane
  - Keele Valley
- **Transfer Stations:**
  - Bermondsey
  - Commissioners Street
  - Disco
  - Dufferin
  - Ingram
  - Scarborough
  - Victoria Park

## Preferred Options

- Green Lane Resources
- MBT with anaerobic digestion
- Green Lane Landfill Site Vicinity
- Health Impact Assessment – screening and scoping completed
- LCA- completed in initial stages

# Consultation Initiatives at the Green Lane Landfill Vicinity

- Presentations to Southwold Township Council, First Nations Liaison Committee, Green Lane PLC.
- Open Houses in St. Thomas – September 29 & 30, 2009.
- September 29, 2009 at Green Lane Landfill:
  - 80 key stakeholders and neighbours invited;
  - Over 65 attendees.
- September 30, 2009 in St. Thomas:
  - Public session, advertised in local newspaper;
  - Over 60 attendees, including local media and MPP staff.
- 28 submissions/comments received.

## **Key Issues:**

- Odour, leachate and traffic concerns;
- Anaerobic preferable to aerobic composting;
- Community benefits;
- Increase area of property value protection plan.



# Toronto -Based Consultations for the Proposed Facility at Green Lane

- Solicited public comments:
  - Invitation to 1300 stakeholders on study mailing list (October 20, 2009)
  - Advertisements in Toronto community newspapers (November 26, & 27, 2009)
  - City website.
- 21 submissions/comments received (comment period ended December 31, 2009).

## **Key Issues:**

- Consider other technologies (e.g., EFW, cogeneration, residue for asphalt).
- Financial/cost concerns (e.g., let budget dictate technology, maximize value for taxpayers, consider transportation costs, sell energy).

# 2008 Challenges Overcome


## Challenges:

- Only one standard for compost quality in ON
- Definition of “diversion” adopted by City of Toronto differed from MOE’s definition

RWWG was concerned and engaged in efforts to consult with the MOE on means to overcome both of these challenges by attending MOE workshops and directly submitting comments to MOE on the proposed changes to the Waste Diversion Act and Compost Guidelines.

RWWG worked with City Staff to ensure that it adopted the MOE definition of diversion.

# 2009 Challenges

- City of Toronto strike
- Negative media coverage of waste practices and procedures
- Consultation steps outlined in the Y diagram not followed
- Proposed MOE changes to the Extended Producer Responsibility:  
Waste  Worth
- Proposed MOE introduction of 3 different classes of compost
- Selecting a proposed site 210km from Toronto (a continuing challenge)
- Suggesting a name for the facility that accurately depicted its intent and purpose: RWWG suggested *GREEN LANE RESOURCES*

# Goals for 2010

- Recognize the key issues for the local and Toronto-based communities are different. Plan and respond accordingly.
- Undertake the 16 recommendations stated in our annual report – see Appendix A p:/2010/swms/April/009PW
- Initiate a public education and marketing program for *GREEN LANE RESOURCES* in collaboration with local stakeholders and City Staff
- Ensure that beneficial economic, environmental and social impacts are maximized and adverse impacts are minimized
- Ensure beneficial uses for any product produced are maximized
- Continue to consult with different publics throughout RFP and project implementation

# RWWG's Recommendations for 2010

- 16 recommendations covering 5 areas:
  - General Waste Facility Recommendations (1)
  - General Policy Recommendations (3)
  - Green Lane Landfill Public Liaison and Local Community Specific Recommendations (4)
  - Recommendations on Diversion Initiatives to be Undertaken by the City in 2010 and in the Future (4)
  - Recommendations on Projects to be Undertaken at a University or College in Collaboration with the City (4)