



Environmental Management: The Made in Burlington Approach

2003 Canadian Pollution
Prevention Roundtable

Calgary, Alberta

June 12th, 2003



Environmental
Management
Team

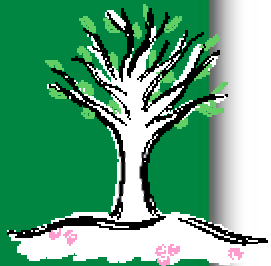
CITY OF
Burlington



Where is Burlington?

Located at the western end of
Lake Ontario, on the north
shore

Population 153,000



In the heart of the Golden Horseshoe and the Greater Toronto Area (GTA)



Burlington's EMP – Presentation Overview

Why did Burlington need an EMP?

How does it work?

Benefits of the *made in Burlington*
approach

Weaknesses

Outcomes & Next Steps





Burlington's EMP – Why?

Significant impacts on the community.

Service provider to over 150,000 people

Major consumer of resources

Infrastructure assets of \$1.02 billion

\$95 million operating budget

Employ 1,500 staff members at peak periods



Developing Burlington's EMP

Environmental Co-ordinator

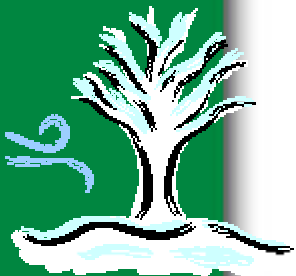
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Reviewed options - 1999

Selected a European process used by
Toronto & modified to fit Burlington's
needs

Process tested & refined - 2000

Report to Council – approval to proceed





Burlington's EMP

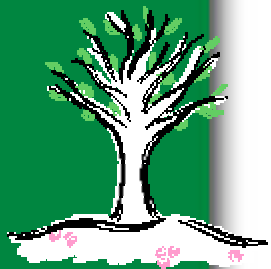
How Does it Work?

Workshops are scheduled with each department for specific activities – facilitated by EMT

Background Information Kit distributed prior to the workshop

Series of worksheets – identify activities and breakdown aspects

Rank environmental significance of aspects



Worksheets

Worksheet 1

What are the Aspects of each activity?

Worksheet 2

What are the environmental effects of the Aspects?

Worksheet 3

Other factors influencing the significance of the Aspects.

Worksheet 4

Summary of today's workshop.

Worksheet 5

Develop an Action Plan.





ASPECT TABLE ADDITIONS AND UPDATES

ACTIVITY

ASPECT **DEPARTMENT**

Description: **WORKSHOP DATE**

FIND ASPECT **ADD ASPECT** **SAVE ASPECT**

To add a new detail pick an Activity, Aspect and Department in the pick list above then click on ADD ASPECT. Once you have added the detail record you can then start entering the worksheet data.

Interacts with the Environment? **When?** **Current** **Past** **Future** **How Often?** **WORKSHEET 1**

Effect: **A** **B** **C** **D** **E** **F** **G** **Importance:** **Summary:** **WORKSHEET 2**

Influence:

Significance:

Legislation, Regulation and External Policy **Council Policies, Strategies, Implications** **Requirements of 3rd Parties** **Relevance to the Community** **Comments:** **WORKSHEET 3**

Complied with

Auto id oNum



Burlington's EMP Benefits

Reduced impacts on our environment

Increased staff awareness

Training & education a priority

Ensure legislative compliance

Council awareness & buy-in

Strengthens link between operational
improvements and budget
requirements



Burlington's EMP Weaknesses

Resources – staff time

Communications - Mechanism for follow-up

Researching environmental issues & best practices

Access Database – problems

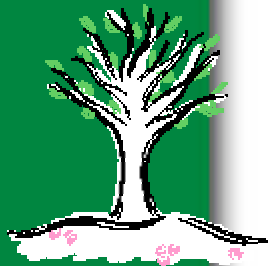
Ranking not always appropriate





Burlington's EMP Example

- Mountainside Pool (outdoor)
- Water usage reviewed
- Leakage identified – loss of water
- Up to 32,000 litres per day
- Outcome: Repairs
- 2002 – saved 6 million litres



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Burlington's EMP Example



- Print Shop
- Staff identified chemicals used in process
- Not in compliance for disposal
- Fumes
- Best practices reviewed
- Outcome – Soya based inks being utilized & chemicals being picked-up for proper disposal



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Burlington's EMP Program Recommendations:

- Urban Forestry Workshop
 - **Tree inventory required**
- Facilities Workshop
 - **Energy audit required**
- Vehicles/Mechanics Workshop
 - **Idling control policy, fuel purchasing policy**





Burlington's EMP Outcomes – Next Steps

- 27 workshops to date; approximately 10 more to complete
- Annual report to Council – early 2004
- Environmental Projects Fund
- Develop Environmental Performance Measures & Indicators





Local Environmental Programs

Smog Response Plan

Idling Control Policy – Pilot

Public Anti-idling Campaign

Public Outreach & Education

Program for Pesticide Reduction

Naturalization Strategy – use of native species & alternative groundcovers

Partners for Climate Protection

