

# INCINERATORS, THERMAL TECHNOLOGIES AND ALTERNATIVES

## Resources for greater awareness and action

### Incineration (Mass Burn, Gasification & other Thermal Technologies)

After Incineration: the Toxic Ash Problem. Petrlik, J. Ryder, R.A. April 2005 4,7-8.

Bottom ash and fly ash – contaminants and disposal issues

[http://english.arnika.org/keepthepromise/docs/ASH\\_report.pdf](http://english.arnika.org/keepthepromise/docs/ASH_report.pdf)

An Industry Blowing Smoke. Why gasification, pyrolysis and plasma arc are not green solutions

Global Anti-Incinerator Alliance/Global Alliance for Incinerator Alternatives June 2009

<http://www.no-burn.org/downloads/BlowingSmokeReport.pdf>

Dangerous to fast-track incinerators, critics warn. Article Lake Ontario Waterkeeper

[http://www.waterkeeper.ca/content/other/dangerous\\_to\\_fasttrack\\_inciner.php](http://www.waterkeeper.ca/content/other/dangerous_to_fasttrack_inciner.php)

Examining the Waste-to-Energy Option

Jordan Best for the Recycling Council of British Columbia. October 2008.

[http://www.rcbc.bc.ca/files/u3/policypaper\\_101024\\_wteoption.pdf](http://www.rcbc.bc.ca/files/u3/policypaper_101024_wteoption.pdf)

GAIA - Global Anti-Incinerator Alliance/Global Alliance for Incinerator Alternatives

U.S. and Canada page, links to range of resources

<http://www.no-burn.org/article.php?list=type&type=83>

Gasification, Pyrolysis & Plasma Incineration Fact Sheet

Global Alliance for Incinerator Alternatives

[http://www.no-](http://www.no-burn.org/downloads/Gasification,%20Pyrolysis,%20and%20Plasma%20Incineration.pdf)

[burn.org/downloads/Gasification,%20Pyrolysis,%20and%20Plasma%20Incineration.pdf](http://www.no-burn.org/downloads/Gasification,%20Pyrolysis,%20and%20Plasma%20Incineration.pdf)

How to Win: Campaign Against Incinerators, Friends of the Earth 2000

Guide for those opposing incineration

[http://community.foe.co.uk/resource/how\\_tos/](http://community.foe.co.uk/resource/how_tos/)

Incineration and Gasification: A Toxic Comparison Blue Ridge Environmental Defence League

April 2002, Comparison of pollutants

<http://www.bredl.org/pdf/gasification-massburn.pdf>

Incinerators Are Impeding the Transition to Sustainability

July 13, 2006 Rachel's Democracy and Health News No. 863

<http://preventcancer.ca/wp-content/uploads/2009/02/incin-ed.pdf>

Incinerators in Disguise – Burning Issues in Waste Disposal

Greenaction and Global Anti-Incinerator Alliance (GAIA) October 2008

Case studies where gasification plants have failed to operate as expected.

<http://www.no-burn.org/downloads/IncineratorsInDisguise.pdf>

Ontario's Waste Management Challenge: Is Incineration and Option?

Canadian Institute of Environmental Law and Policy

Full Report - <http://cielap.org/pdf/IncinerationOption.pdf>

Fact Sheet - <http://cielap.org/pdf/IncinerationFactSheet.pdf>

The Pembina Institute and Canadian NGOs

4 Incineration Fact Sheets about: pollution, energy, global warming and costs

<http://www.pembina.org/pub/1449>

**Prevent Cancer Now**

<http://www.preventcancer.ca/>

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## **Resources for greater awareness and action**

Plasma Arc Technology for Municipal Solid Waste: A Proven Technology or Incinerator in Disguise? Greenaction for Health and Environmental Justice and Global Alliance for Incinerator Alternatives March 2008

Lack of independent data on emissions; unproven technology at commercial scale MSW.  
<http://www.greenaction.org/incinerators/documents/GreenactionGAIAExposeOfFloridaPlasmaArcIncineratorInDisguiseProposals030908.pdf>

Waste Gasification: Impacts on the Environment and Human Health February 2009  
Air, Water, Ash, Health and Safety Impacts of Pyrolysis and Thermal Gasification  
<http://www.bredl.org/pdf/wastegasification.pdf>

Waste Incineration: A Dying Technology Global Anti-Incinerator Alliance July 2003  
Detailed review of health concerns, list of pollutants, discussion of alternatives.  
<http://www.no-burn.org/downloads/Waste%20Incineration%20%20A%20Dying%20Technology.pdf>

### **Hazardous Waste**

Learning Not to Burn: A Primer for Citizens on Alternatives to Burning Hazardous Waste  
How to mount citizen campaigns, alternatives to incineration, case studies, resources.  
<http://www.kodakstoxiccolors.org/production/LNTB.pdf>

Origins and Health Impacts of Emissions of Toxic By-Products and Fine Particles from Combustion and Thermal Treatment of Hazardous Waste and Materials Cormier, Lomnicki, Backes, Dellinger  
Volume 114 Number 6 June 2006 Environmental Health Perspectives  
[http://findarticles.com/p/articles/mi\\_m0CYP/is\\_6\\_114/ai\\_n27099796/print](http://findarticles.com/p/articles/mi_m0CYP/is_6_114/ai_n27099796/print)

Understanding Hazardous Waste in Ontario Fact Sheet  
Canadian Institute of Environmental Law and Policy  
<http://cielap.org/pdf/hwfactsheet.pdf>

### **Cement Kilns –Co-incineration/Co-processing**

Cement Kiln Primer: Downwinders at Risk  
Overview of cement kilns including pollution, burning of hazardous waste, pollution control technology.  
<http://www.cementkiln.com/DownwindersAtRisk-CementPrimer.htm>

Groundwork: The Cement Kiln Portal  
Primer -cement kiln health and environmental issues, including co-processing of waste as alternative fuel  
<http://www.groundwork.org.za/Cement.html>

**Prevent Cancer Now**

<http://www.preventcancer.ca/>

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