

Please find below references and links that we hope will be of use to you.

### **A. References in Prof. Paul Connett's slide presentation in Oxon. (2009):**

(For the Oxfordshire presentation, go to the Home Page of GlosAIN: <http://www.gloucestershire-against-incinerators.org.uk/> and scroll down the page to 22nd October 2009 to 2nd November 2009”

OR for Prof. Paul Connett presentation with additional detail about the chemistry of Dioxins and Furans: <http://www.gloucestershire-against-incinerators.org.uk/resources/Dioxins-incineration+-+Multi-slide+Animation+Version.pdf>

#### **1. {Slide 65} Health impact of fine particles.**

Article details			
<b>Article title</b>	EXPOSURE ASSESSMENT & Origin and Health Impacts of Emissions of Toxic By-Products and Fine Particles from Combustion and Thermal Treatment of Hazardous Wastes and Materials		
<b>Author</b>	Cormier, S. A. Lomnicki, S. Backes, W. Dellinger, B.		
<b>Journal title</b>	ENVIRONMENTAL HEALTH PERSPECTIVES		
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<b>Language</b>	English		

## Review

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### **Origin and Health Impacts of Emissions of Toxic By-Products and Fine Particles from Combustion and Thermal Treatment of Hazardous Wastes and Materials**

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<sup>1</sup>Department of Biological Science, and <sup>2</sup>Department of Chemistry, Louisiana State University, Baton Rouge, Louisiana, USA;

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1. {Slide 72} **Dioxins and Incineration (more detailed ppt [PowerPoint presentation] available [from Paul Connett])**
2. {Slide 73} **Dioxins accumulate in animal fat (Connett and Webster, 1987).**
3. {Slide 76} **Linda S. Birnbaum (Health Effects Research Laboratory, US EPA) Developmental Effects of Dioxins *Environmental Health Perspectives*, 103: 89-94, 1995**
4. {Slide 77} **Our Stolen Future: How Man-made Chemicals are Threatening our Fertility, Intelligence and Survival. Theo Colborn, John Peterson Myers, Dianne Dumanoski (1994).**
5. {Slide 79 & 80} [US] Institute of Medicine, 2003, "The committee recommends that the government place a high public health priority on reducing DLC intakes by girls and young women in the years well before pregnancy is likely to occur."
6. {Slide 123} Internet translation of Italian: "Un pizzico di creatività a monte può far risparmiare milioni a valle" to English: "An upstream pinch of creativity can make to save downstream millions".
7. {Slide 133} **VIDEOS, including "On the road to zero waste", [www.AmericanHealthStudies.org](http://www.AmericanHealthStudies.org)**
8. {Slide 133} **Nel Feb 24, 2007 Capannori (vicino Lucca) e` diventata la prima citta` a dichiarare una strategia rifiuti zero 2020 Rossano Ercolini [Ambientefuturo@interfree.it](mailto:Ambientefuturo@interfree.it) 338-28-66-215 "On 24 February 2007 Capannori (close to Lucca) is the first city to declare a strategy of 'zero refuse by 2020' "**
9. {Slide 196} **For more examples of Industrial Responsibility:**
  - a. Contact Gary Liss at [gary@garyliss.com](mailto:gary@garyliss.com)
  - b. For more information on EPR initiatives contact Bill Sheehan at
  - c. [Bill@productpolicy.org](mailto:Bill@productpolicy.org)
10. {Slide 222 & 223} **Progress towards Zero Waste around the world, see:**
  - a. [www.zwia.org](http://www.zwia.org)
  - b. [www.GRRN.org](http://www.GRRN.org)
  - c. [www.no-burn.org](http://www.no-burn.org) (GAIA) Gasification, plasma arc and pyrolysis are incinerators in disguise: <http://www.greenaction.org/incinerators/documents/IncineratorsInDisguiseReportJune2006.pdf>
11. {Slide 261} **Incineration is a waste of energy!** About 4 X more energy saved by reusing, recycling and composting the various components in the discard stream – than burning them to create electricity Dr. Jeffrey Morris, [jeff.morris@zerowaste.com](mailto:jeff.morris@zerowaste.com)

**B. British Society for Ecological Medicine:**

<http://www.ecomed.org.uk/publications/reports/the-health-effects-of-waste-incinerators>

Incinerator report “The Health Effects of Waste Incinerators” by Dr. Jeremy Thompson and Dr. Honor Anthony of British Society for Ecological Medicine (cited by Health Protection Scotland where they rubbished it and Cormier et al and Greenpeace report)

<http://www.ecomed.org.uk/content/IncineratorReport.pdf>

Updated version (includes new evidence)

[http://www.ecomed.org.uk/content/IncineratorReport\\_v3.pdf](http://www.ecomed.org.uk/content/IncineratorReport_v3.pdf)

See also evaluations by Enviros and HPA and the responses from BSEM at the first link under British Society for Ecological Medicine.

<http://www.youtube.com/watch?v=EG7fesiUtDo>

### C. Other U-Tube Videos by Dr. Paul Connett:

<http://www.youtube.com/watch?v=EIPBUQEuf0Y&feature=related>

( <http://www.youtube.com/user/noincineratorglenavy> )

<http://www.youtube.com/user/noincineratorglenavy#p/a/u/1/Cuhyb-5oU2Q>

### D. Affects of Nano particulates on health:

<http://www.nanoceo.net/nanorisks/pulmonary-effects>


### Deposition of Ultrafine (NANO) Particles in the Human Lung Deposition of Ultrafine (NANO) Particles in the Human Lung

**Authors:** Bahman Asgharian <sup>a</sup>; Owen T. Price <sup>a</sup>

**Affiliation:** <sup>a</sup> The Hamner Institutes for Health Sciences, North Carolina, USA

**DOI:** 10.1080/08958370701626501

**Publication Frequency:** 4 issues per year

**Published in:**  [Inhalation Toxicology](#), Volume [19](#), Issue [13](#) October 2007 , pages 1045 - 1054

**Subjects:** [Inhalation Toxicology](#); [Pulmonary Medicine](#);

**Formats available:** HTML (English) : PDF (English)

**Article Requests:** [Order Reprints](#) : [Request Permissions](#)

Report from DEFRA report about the dangers of particulates (2.5). Note especially pages 6, 9 and 13

<http://www.defra.gov.uk/environment/quality/air/airquality/strategy/documents/air-pollution.PDF>

### E. Dioxins, Health Effects:

Health Effects related to Dioxin (Europe, US and Canada):

[http://www.noharm.org/library/docs/Toolkit\\_3\\_Dioxin\\_Fact\\_Sheet.pdf](http://www.noharm.org/library/docs/Toolkit_3_Dioxin_Fact_Sheet.pdf)

## **F. Incineration V. MBT with AD, Eunomia report:**

"The Greater London Authority (GLA) commissioned Enviro Centre and Eunomia to carry out a study into the greenhouse gas impacts of waste management scenarios using lifecycle assessment methods. Such methods examine the environmental and economic effects of a product or activity (in this case residual municipal waste) at every stage of its existence, from production to final disposal. Residual municipal waste is that which is left in the waste stream over after recycling and composting has taken place." (extract from above) AND it was summarized in a GlosFOEN paper:

"In a Mayor of London report on gas balances in waste management it was found that incineration produced the greatest amount of greenhouse gas whilst mechanical and biological treatment (MBT) and anaerobic digestion (AD) with biogas for fuel cell h2 vehicles produced the least."

<http://66.102.9.132/search?q=cache:BsChZET-FPMJ:www.london.gov.uk/mayor/environment/waste/docs/greenhousegas/summaryreport.rtf+mayor+of+london+report+on+incineration+and+greenhouse+gas&cd=1&hl=en&ct=clnk>

## **G. Pyrolysis and Gasification references and links:**

Dr. Jorge Emmanuel, PhD., environmental scientist, offers a comprehensive introduction to explain the science and problems behind pyrolysis, gasification and plasma incineration.

(Part 1) (Background):

<http://www.youtube.com/watch?v=09A-iQfhRUE&feature=channel>

(Part 2) (Pyrolysis, Gasification, Plasma):

<http://www.youtube.com/watch?v=9ftJyphJnYk&feature=channel>

(Part 3) (Environmental Concerns):

<http://www.youtube.com/watch?v=pfehIWggW54&feature=related>

(Part 4) (Other Issues):

[http://www.youtube.com/watch?v=pbVbaF\\_fi7Q&feature=related](http://www.youtube.com/watch?v=pbVbaF_fi7Q&feature=related)  
<http://www.youtube.com/profile?user=noincinerators#grid/uploads>

## **H. Useful list of links:**

[http://www.glenavy.com/public\\_health.htm](http://www.glenavy.com/public_health.htm)

EU Air pollution limits (report): [http://www.gloucestershire-against-incinerators.org.uk/resources/20090715\\_01+Smokescreen\\$2BPolitics\\$2BCaption.pdf](http://www.gloucestershire-against-incinerators.org.uk/resources/20090715_01+Smokescreen$2BPolitics$2BCaption.pdf)

Friends of the Earth - Why FOE opposes incineration - Briefing paper includes:

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[www.GlosAIN.org.uk](http://www.GlosAIN.org.uk)

**The cost of not enough waste:**

"Three new incinerators have been built in Hampshire .... The majority of local authorities in the county are now failing to meet their recycling targets and recycling rates are stagnating across the county .... incinerators are now absorbing virtually all residual waste in the region"

"Nottingham City Councillors have admitted that long term contracts agreed in 1973 on their municipal waste incinerator are now causing serious losses....":

[http://www.foe.co.uk/resource/media\\_briefing/up\\_in\\_smoke.pdf](http://www.foe.co.uk/resource/media_briefing/up_in_smoke.pdf)

Friends of the Earth, Changing Climate:

[http://www.foe.co.uk/resource/reports/changing\\_climate.pdf](http://www.foe.co.uk/resource/reports/changing_climate.pdf) -

Green Futures: Check list (US):

[http://www.greenfutures.org/projects/incinerator/incinerator\\_checklist.html](http://www.greenfutures.org/projects/incinerator/incinerator_checklist.html)

Green Futures: Incinerator Guide Book (US):

[http://www.greenfutures.org/projects/incinerator/incineration\\_gdbk.html](http://www.greenfutures.org/projects/incinerator/incineration_gdbk.html)

Irish Doctors Environmental Association: Incinerator Health Hazards (and suggested reading) (IRE)

<http://www.ideaireland.org/incineratorsandhealth.htm>

Osborne backs campaign against incinerators:

[http://www.northwichguardian.co.uk/news/4796923.Osborne\\_backs\\_campaign\\_against\\_incinerator/](http://www.northwichguardian.co.uk/news/4796923.Osborne_backs_campaign_against_incinerator/)

Surrey rejects incinerators:

<sup>1</sup> <http://conservativehome.blogs.com/localgovernment/2009/12/surrey-rejects-incinerators.html>

UKWIN, incineration/sustainability:

<http://ukwin.org.uk/knowledge-bank/incineration/sustainability-issues-connected-with-incinerators/carbon-dioxide-and-climate-change/>

## **I. Incineration, nanoparticles & Health**

Van Steenis, Dr.

<http://www.ukhr.org/incineration/incinerators.htm>

<http://www.ukhr.org/incineration/newhavenreport.htm>

Vyvyan Howard, Dr.:

<http://www.notinmanvers.co.uk/factsabout2.html>

**Statement of Evidence Particulate Emissions and Health  
Proposed Ringaskiddy Waste-to-Energy Facility**

**Professor C. Vyvyan Howard MB. ChB. PhD. FRCPath. June 2009**

[VYV.howard@googlemail.com](mailto:VYV.howard@googlemail.com)

World Health Organisation: Risks of Particulate Matter:

[http://www.euro.who.int/\\_data/assets/pdf\\_file/0006/78657/E88189.pdf](http://www.euro.who.int/_data/assets/pdf_file/0006/78657/E88189.pdf)

[http://whqlibdoc.who.int/hq/2006/WHO\\_SDE\\_PHE\\_OEH\\_06.02\\_eng.pdf](http://whqlibdoc.who.int/hq/2006/WHO_SDE_PHE_OEH_06.02_eng.pdf)

<http://www.euro.who.int/document/mediacentre/fs0405e.pdf>

Aggregation of Lead, Barium, Chromium, Iron and Silica in Cervello, Italy  
[www.stefanomontanari.net](http://www.stefanomontanari.net) (Aggregati di Piombo, Bario, Cromo, Ferro e Silicio in Cervello.)

## **J. Incineration is a waste of energy!**

About 4 X more energy saved by reusing, recycling and composting the various components in the discard stream Contact: Dr. Jeffrey Morris, [jeff.morris@zerowaste.com](mailto:jeff.morris@zerowaste.com)

## **K. Incineration stifles innovation**

“An incinerator needs to be fed for about 20 to 30 years and in order to be economic needs an enormous input from quite a region, so for 20 to 30 years you stifle innovation, you stifle alternatives, just in order to feed that monster which you build”

**Source:** Ludwig Kraemer, former Head of EU Waste Management, BBC 1 Panorama Documentary “Rubbish”

## **L. Zero Waste**

[www.zwia.org](http://www.zwia.org) (Zero Waste International Alliance)

[www.GRRN.org](http://www.GRRN.org) (Grass Roots Recycling Network)

[www.CRRA.org](http://www.CRRA.org) (California Resources Recovery Association)

[www.no-burn.org](http://www.no-burn.org) (Global Alliance for Incineration Alternatives)

“Economically, incineration represents ONE BIG BLACK BOX  
The Zero Waste strategy represents 100’s of LITTLE GREEN BOXES”  
(Ted Ward, Zero Waste, Del Norte County, California)

For examples of Reuse and Repair Centers from California, Vermont, Nova Scotia and Australia, see [www.AmericanHealthStudies.org](http://www.AmericanHealthStudies.org)

In time collection of food from supermarkets and restaurants  
Prof. Andrea Segre, Agriculture Dept., U. of Bologna, [andreasegre@unibo.it](mailto:andreasegre@unibo.it)

Eco-Cycle Zero Waste Park  
Eric Lombardi, Eco-Cycle [www.ecocycle.org](http://www.ecocycle.org)  
{Bryan Bowen Architects p. c., 1510 Zamia Avenue 103, Boulder, Colorado, 80304,  
Tel. (303) 443-3629 }

### **M. Scotland's Zero Waste Plan:**

Video on Scotland's Zero Waste Plan  
<http://www.youtube.com/watch?v=H9EgRYVrILo>

[www.Scotland.gov.uk/zerowasteplan](http://www.Scotland.gov.uk/zerowasteplan)

Reducing Waste Through Promoting Product Ecodesign: A Discussion Paper:  
<http://www.scotland.gov.uk/Publications/2009/08/18161245/15>

Scotland and Northern Ireland Forum for Environmental Research (SNIFFER) view  
<http://www.hps.scot.nhs.uk/giz/wrdetail.aspx?id=31870&wrtype=2>

The two SNIFFER Reports ~(1. Guidance, 2. Assessment) are accessible from this website:  
<http://www.sniffer.org.uk//site-search-results.aspx?q=UKCC05&cx=000669636061160047415:riqtlumneni&cof=FORID:9#439>

Waste Incineration (Scotland) Regulations 2003: Practical Guidance: Edition 2 Page 2  
<http://www.scotland.gov.uk/Publications/2005/04/19140354/03559>

### **N. Industrial Responsibility**

Contact Gary Liss at [gary@garyliss.com](mailto:gary@garyliss.com)

For more information on EPR initiatives contact Bill Sheehan at [Bill@productpolicy.org](mailto:Bill@productpolicy.org)

### **O. European Directive on the Incineration of Waste:**

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32000L0076:EN:HTML>

## **P. The Precautionary Principle:**

Definition:

[http://en.wikipedia.org/wiki/Precautionary\\_principle](http://en.wikipedia.org/wiki/Precautionary_principle)

## **Q. LINKS TO PROF. PAUL CONNETT'S DETAILS**

University Profile: <http://www.stlawu.edu/faculty/profiles/connett.html>

An interesting article that contains his background: <http://www.cank.org.uk/connett1.html>

A letter to a newspaper: [www.clearnh.org/Docs/DrPaul.doc](http://www.clearnh.org/Docs/DrPaul.doc)

CV on the Fluoridation.com Website: <http://www.fluoridation.com/authors.htm>

- [www.AmericanHealthStudies.org](http://www.AmericanHealthStudies.org)
- <http://66.102.9.132/search?q=cache:Qhj1c6EJeQYJ:www.clearnh.org/Docs/DrPaul.doc+Dr+Paul+connett&cd=10&hl=en&ct=clnk>