

From: "Ms Lyndall McCormack" <lyndallmacc@optusnet.com.au>
To: <pubworks@parliament.nsw.gov.au>
Date: Mon, Feb 13, 2006 4:14 am
Subject: Re:Submission into the INQUIRY INTO MUNICIPAL WASTE MANAGEMENT IN NSW from ms Lyndall McCormack

The Committee Manager

Standing Committee on Public Works

Parliament House

Macquarie Street

Sydney NSW 2000

Thank you for the opportunity to do a submission to this inquiry. Just to explain I am not a civil engineer nor an academic. I am an ordinary citizen but I just happen to be a member of what is called the zero Waste Action Group and group founded by the Nature Conservation Council of NSW it was previously called the Waste Crisis network. I am just a member of a community group, I work for a market research company on a casual basis and I am a delegate there for the NUW and I am also a member of the ACF. I do hope I am getting this in on time.

I feel I would like to just give you some pieces of information I have found on the internet I will post them below

I hope you give some money so that public works can have these feats of engineering all over NSW where they are needed.

I of course would like you to check these with an expert panel group as I am not a specialist to see if it is feasible. I will highlight my comments in bold and at the end of the page are web links about green dot or green spot.

Please don't privatise water

Please read below

FYI

Yours sincerely

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I think this trialing compost waste being removed from stormwater seems innovative can we have it in all council areas in approrait places

July 2005

Silt trap project wins award for Flinders Bioremediation and partners

A project involving Flinders Bioremediation in a trial to compost waste material removed from stormwater in the Patawalonga catchment area has been awarded a Case EARTH Award. The Case EARTH Awards are presented annually by the Civil Contractors Federation for excellence in environment and excellence in construction for civil construction projects around Australia.

<http://www.scieng.flinders.edu.au/faculty/news/>

<http://www.flinders.edu.au/news/articles/?oc12v14s01>

Silt trap project wins award for Flinders Bioremediation and partners

A project involving Flinders Bioremediation in a trial to compost waste material removed from stormwater in the Patawalonga catchment area has been awarded a Case EARTH Award.

The Case EARTH Awards are presented annually by the Civil Contractors Federation for excellence in environment and excellence in construction for civil construction projects around Australia.

The awards have the specific aim of recognising and rewarding organisations that achieve best practice and innovation in the field of environmental management of civil construction and related projects.

As well as winning its category in the State Awards, the Patawalonga project has been chosen as one of six finalists for the national awards, which will be announced in November.

With Lucas Earthmovers and composting firm Jeffries, Flinders Bioremediation was part of a consortium selected by the Patawalonga Catchment Water Management Board to trial an alternative method of disposing of material from silt traps, in a bid to avoid sending it to landfill. The stormwater-borne silt contains low-level contaminants as well as organic debris.

The general manager of Flinders Bioremediation, Dr Richard Stewart, said that the awards have a high profile within the industry.

"The major outcome of the project is that it has shown that composting is a viable alternative to landfill for this material - it is both a cheaper and more environmentally sustainable option for the Catchment Board," he said.

The large-scale trial involved some 3,000 cubic metres of trapped material; approximately 30,000 cubic metres held in silt traps around Adelaide remains to be treated.

On Campus, Number 12: July 25 - August 7, 2005

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There may be a public works idea in here that is innovative

<http://www.globalwaterawards.com/index.php>

Introducing the Global Water Awards

The challenge of meeting the world's growing demand for water has forced itself to the top of the international political agenda. The Global Water Awards have been set up by Global Water Intelligence magazine to recognize the innovation and commitment of the companies and

organizations working to ensure that there is water for all in generations to come.

Now in their second year, the awards are widely recognized as the most prestigious symbol of achievement in the global water industry. They highlight the important work done by water companies and agencies, engineers, contractors, deal makers and bankers to guarantee a sustainable future for us all.

Click here for the 2005 Global Water Award Winners.

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If this is not used here can it be

<http://www.zerowastenetwork.org/news/newsbydate.cfm>

Modular Sewage Treatment (04/30/2005)

A Swiss company has pioneered the development of a new type of agitation and aerating technology that promises to transform traditional methods of wastewater treatment. The technology uses a special stirring body, an OLOID, based on a combined three dimensional and pulsating motion. Engines based on this OLOID design operate simultaneously as agitators, mixers, and surface aerators, resulting in a most sparing energy consumption while achieving optimum biological, physical and chemical degradation of wastewater. The technology lends itself particularly well to compact designs with sizes of 5 up to 450 population equivalents. State-of-the-art OLOID process engineering provides comparable degradation results with organic carbon and nitrogen that, as a rule, have heretofore only been achieved by large sewage treatment plants.

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I also feel the rainwater gardens can or have been developed in Australia and should be used here you know like phyto technology!!!!!!

Rainwater Garden Retrofit Cuts Stormwater Runoff 82 Percent (04/10/2005)

To protect Minnesota's Crystal Lake from phosphorous and large volumes of stormwater draining into it from surrounding impervious services, the Metropolitan Council and the City of Burnsville have created a prototypic rainwater garden system to filter street runoff. One neighborhood was retrofitted with 17 rainwater gardens while an identical neighborhood just a block away was left untouched as a control for the project. Eighty-five percent of eligible residents on the retrofitted street agreed to participate in the project by planting the rainwater gardens and performing minor maintenance on them. This far exceeded the anticipated 30% buy-in by residents. Preliminary data indicates that, in comparison with the control street with no rainwater gardens, the study street contributes about 82 percent less stormwater to Crystal Lake. The project is a finalist in the public sector Environmental Innovation Awards under the Minnesota Environmental Initiative.

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Do we need low interest loans for public water recycling systems others may have a better idea!!!!

http://www.doh.wa.gov/ehp/dw/Water_Tap/watertap_feb05.pdf

PDF] Low-interest loans for public water systems Low-interest loans for ...
File Format: PDF/Adobe Acrobat - View as HTML
received a Drinking Water Week award last year. The ... Project must be ineligible.
for emergency funds from. the Public Works Trust ...
www.doh.wa.gov/ehp/dw/Water_Tap/watertap_feb05.pdf - Similar pages

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We need to do something about ridding our waters of pollution and we should link any new public works technology to the NPI

http://www.epa.sa.gov.au/media_releases.html

Great national results in annual pollution stocktake, Released: 31 January 2005
The Australian Minister for the Environment and Heritage, Senator Ian Campbell, today released new emissions data from many Australian industries on the National Pollutant Inventory (NPI) website.

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Please read this web page and consider any new ideas

<http://www.peercenter.net/ewebeditpro/items/O73F7557.pdf>

[PDF] EEMSS CCAASSEE SSTTUUDDIIIEESSIINN TTHHEE PPUUBBLLIICC WWAATTEERR S
File Format: PDF/Adobe Acrobat - View as HTML
The Natick Department of Public Works (DPW) Springvale Water Treatment Plant ...
The Zero Waste Alliance. One World Trade Center. 121 SW Salmon Street, ...
www.peercenter.net/ewebeditpro/items/O73F7557.pdf - Similar pages

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Do you need to think about doing a product procedural document and online documents on what sustainable public works procurement is .

I think so if you havnt already but this should be regularly updated.

http://sems.carson.army.mil/sustainability/conference2005_agenda.htm#Sustainability_Implementation:_Management_Systems_and_Procurement

<http://sems.carson.army.mil/sustainability/c>

<http://www.gsa.gov/Portal/gsa/ep/channelView.do?pageTypeId=8207&channelPage=/ep/channel/gsaOverview.jsp&channelId=-12972>

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I believe we need a pollution prevention resource exchange for civil engeneers

<http://www.p2rx.org/>

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Did this project have recycled water system for a new housing development can you check it it would have needed public worksif not then dont worry and check any awards given in 2005 that might require public works for recycled water and adopt teh innovations.

<http://www.aeea.org.au/c/aeea?a=pastyears&sc=award&award=300&py=2004>

Kelvin Grove Urban Village

Connell Wagner Pty Ltd, Queensland University of Technology (QUT),

Department of Housing, Project Services

(Queensland)

The Environmental Engineering Excellence Award recognises achievement in sound environmental practice

and in the sustainable use of natural resources. The winning projects are chosen against criteria that measure

the project's effect on the national economy, its impact on the environment and how well it represents the

best in environmental engineering. This year's winning project is:

Kelvin Grove Urban Village is the unique urban setting for the Queensland University of Technology, including the new Institute of Health and Biomedical Innovation. The village, set on 15 hectares of former Defence Department land, is designed to deliver a range of residential options, including affordable housing. Environmental sustainability is also an important element of the village.

Connell Wagner, as principal consultant, was responsible for infrastructure delivery on behalf of the project participants - the Queensland University of Technology (QUT), and Department of Housing and Project Services.

The integrated urban village is a mix of residential, university, commercial, retail premises and community facilities. Environmental considerations were particularly important. By making it sustainable, in line with environmental and design guidelines, Connell Wagner developed a 'green' village that also gives special emphasis to providing a high-quality environment for its residents.

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When you design projects I feel you need some environmental design public works specialists.

Government of Canada Adopts New Environmental Standard for Buildings Public Works and Government Services Canada / Travaux publics et Services ... includes environmental and sustainable design specialists on project teams. ...

news.gc.ca/cfm/view/en/index.jsp?articleid=185739 - 18k - Cached - Similar pages

http://www.deutsches-fachbuch.de/reinschauen/f7/3832173986.htm

Design an eco deconstruction spec. when renovating or relocating so that materials are not wasted

Often no-one knows what to do with site materials, such a spec means they taken offsite responsibly

Select products and materials which create a healthy indoor environment

Avoid wall to wall carpets by using hard surfaces with floor rugs which can be easily cleaned and aired

a.. Select water efficient products to save this precious commodity

Specify low flow or automatic cut-off taps and fittings, insulated tanks and pipes, quick boil urns, etc.

Promote the benefits of energy and water conservation to clients

While upfront costs may be higher, longer term use actually saves clients big money

Consider increasing the amount of natural light into spaces to reduce need for artificial lighting

Correct placement of windows, internal partitions and colours of walls/surfaces improve lighting

Specify timbers which they have ensured come from a long term renewable source

Timbers recognised by the Forestry Stewardship Council (FSC) are certified as sustainably harvested

a.. Consider installation of energy saving devices

Such as movement and light sensors for artificial lighting in offices and home to reduce energy use

b.. Specify low Volatile Organic Compound emission paints

Plant or mineral based products emit less VOCs, which can contribute to Sick Building Syndrome

c.. Use materials for presentation boards which can either be used again or recycled

Avoid styrene boards which can be difficult to recycle and conserve samples for further reuse

d.. Prepare working drawings on A4 & A3 paper or digital CAD files on disks for easy copying

Not every consultant or contractor needs all the details on an large wasteful A1 sheet

e.. http://www.buildinggreen.com/ - Environmental Building News

http://data.oikos.com/products/ - Resources for Environmental Design Index (REDI).

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I feel you should adopt works for food security as well as Sydney's market gardens are dwindling

DOC] Paper:

File Format: Microsoft Word - View as HTML

*Municipal Secretariat for Public Works (Department for Parks and Recreation)

... Municipalities should reserve a percentage of public parklands or green ...

www.ryerson.ca/foodsecurity/ Documents/Dubbeling_Access_to_land%20.doc - Similar pages

http://www.ryerson.ca/foodsecurity/Documents/Dubbeling_Access_to_land%20.doc

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I suppose you are in a pre elctoral environment and I hope you do well
do you need a new public works data tracking system
<http://informit.mit.edu/ehs-ms/home.html?printable=book>
<http://datasmart.oesr.qld.gov.au/Events/datasmart.nsf/navigators/About%20Data%20Smart>

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Do we need a publication like this. I think so if we havn't already

[DOC] Business Recycling Plans & Policies: Tools for Local Government ...
File Format: Microsoft Word 2000 - View as HTML
This allowed staff to explain to each business the requirements of the IWMA ...
In 1996, the CIWMB and the City of LA Department of Public Works agreed to ...
www.ciwmb.ca.gov/Publications/LocalAsst/31001009.doc - Similar pages

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May be we need a public works policy watch team
<http://www.publicdiplomacywatch.com/>

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<http://www.brba.com.au/> Please use recycled

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And use the triple bottom line appraoch

<http://news.envirocentre.com.au/eb/newsletterfull.php?issue=2005-05-25&key=134>

National Affairs

World-first report analyses the TBL of the Australian Economy

A world-first report, providing a detailed 'triple bottom line' overview of the 135 industry sectors of the Australian economy using a set of ten environmental, social, and financial indicators, has been released.

The report, undertaken by CSIRO Sustainable Ecosystems and the University of Sydney, uses the indicators of water use, land disturbance, greenhouse gas emission and energy use, profits, exports and imports, employment, income and government revenue to provide a snapshot of the triple bottom line performance of the Australian economy in the mid 1990s (the most recent data available to the researchers).

The report highlights sustainability challenges for different industries and pinpoints areas in the production chain where a focussed effort would make a significant difference.

All effects are referenced back to a consumption dollar - roughly the dollar spent by a consumer in everyday life. It also shows that each consumption dollar is quite different - some dollars are positive and create employment, or suck in imports or generate government revenue. Other consumption dollars are less positive through their high use of water or production of greenhouse gas emissions.

Comparitive assessments are provided for each sector for performance against each indicator compared with the national average.

The analysis for the sheep and shorn wool industry, for example, concludes that against the metric of one dollar of final demand, the environmental indicators of greenhouse emissions and water use are about seven times the average, while land disturbance is 50 times the average.

For the rice industry, the water intensity of production is over 200 times the average or 8400 litres per dollar of final consumption; the greenhouse intensity is over four times the average due to methane production as well as fossil energy use; and land disturbance is 40% above average.

For wheat and other grains, the environmental indicator of greenhouse emissions is equal to average, while water use and land disturbance are respectively five times and eight times the average. The report notes that this sector is by definition a large user of land and could never equal the economy wide average.

" Nevertheless there is room for improvement particularly in balancing crop production with area sown, management applied and nutrient inputs. Leading edge management may allow a doubling of per hectare yields and a consequent halving of total area sown."

One of the major insights emerging from the analysis is that the prices paid by consumers pay for items derived from primary production does not reflect the full value of the natural resources embodied in their production chains. This issue is reflected in the current debate on national water resources reform with calls for consumption-based pricing, full cost recovery pricing for water services, and the implementation of pricing that, where feasible, includes externalities (CoAG 2004).

The analysis seeks to underpin broader societal calls for industry, government and institutions to make decisions on a broader basis than just the financial bottom line.

The report, Balancing Act, can be downloaded at <http://www.cse.csiro.au/research/balancingact/#aboutreport>

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Please make a concerted effort to remove t treated Timber in Schools mke it a public works project

<http://www.uow.edu.au/arts/sts/sbeder/CCAtimber/CCAreport.pdf>

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Apply Life cycle engineering to your projects

<http://www.lceresearch.unsw.edu.au/>

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Publlc Works deals with environmental heath and eventually the government might find an innovative product to sell oseas

then this might be something to think about

http://www.ictsd.org/pubs/dohabriefings/Vol3/V3_09.pdf

http://www.northwestwatch.org/publications/CS_news_10_05_green.asp

The US has suggested a two-phase approach

that would see environmental goods split into two categories, i.e. a core list of goods that everyone agrees are environmental (i.e. sewage treatment equipment); and a second list of other proposed environmental goods, which would then be subject to differing liberalisation commitments (TN/TE/W/38).

the development of environmental regulations, experience on how their environmental regulations could be applied in such a way that adverse effects on market access were minimised; and how to assist developing country Members to comply with measures and policies in place. In this context, "each act as a forum to identify and debate developmental and environmental aspects of the negotiations, in order to help achieve the objective of having sustainable development appropriately reflected." Virtually no progress has been made to put the mandate into action, and the CTE and

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Can all public works reflect the ZERI Visions
<http://www.zeri.org/index.cfm?id=vision&CFID=750524&CFTOKEN=73802548>

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The ACCC has now allowed collective tendering for provision of waste services so all council areas could have kerbside recycling

but I would like to see the Millenium goals implemented in terms of giving us "Green Spot" how you do that in public works I dont know

<http://news.envirocentre.com.au/eb/article.php?issue=2005-05-11&id=565&key=78>

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Could we do green roofs in NSW and can we plan for it on all public works buildings

ICLEI Member Toronto, Canada supports Green Roofs

February 08, 2006

The City of Toronto has made green roofs part of its greenhouse gas reduction strategy. After months of research, consultation and pilot projects, city council has approved a plan to promote green roofs. [Full text...]

<http://www.gbcaus.org/gbc.asp?sectionid=5&docid=873#a>

Last Updated: Friday, 16 December 2005 - 11:00:00 AM

Green Roofs Come to Australia

Green Roofs for Healthy Australian Cities (GRHAC) is a new organisation for Australia's built environment professionals.

It has begun under the umbrella of the Urban Agriculture Network - Western Pacific, a non-government, non-profit organisation that is an offshoot of the Urban Agriculture Network in Washington DC.

The Governor of GRHAC is Geoff Wilson, president of the Urban Agriculture Network - Western Pacific, based in Brisbane, Australia. He has set up the green roofs organisation in Australia following attendance at the "Green Roofs Goes to Washington" conference in May 2005.

Steven S Peck, founder and president of Green Roofs for Healthy Cities - North America, encouraged the Australian development, and is planning to visit Australia in 2006 for green roofs seminars to help promote Australian membership. He will be accompanied by Jennifer Sprout, conference and events manager of the North American organisation.

Mr Wilson said that he will be promoting membership of GRHAC among architects, urban developers, urban planners and designers, horticultural contractors, municipal government, State and Federal advisers in greenhouse gas and city heat island effect mitigation and news media in these fields.

He hopes to attract significant Australian participation at the Boston green roofs conference in May, 2006, and expects to organise Australian events where GRHAC members can learn about European and North American technology and design for green roofs that can be adopted or adapted for Australian conditions. These vary from the cold-temperate to the sub-tropical and tropical and the arid.

"I believe that there will be great scope in Australia for collaboration with European and North American companies providing specialised know-how and products," Mr Wilson

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We should have a national and a state Guide to Sustainable Municipal waste infrastructure

This document is on this page

<http://www.ipwea.org.au/nams/>

National Guide to Sustainable Municipal Infrastructure
National Research Council of Canada

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National Overseas Study Tour
Date: 13 April 2005
Author: IPWEA

Applications for NSW Foundation Grant Extended to 30th of April 2005

As indicated in our recent Newsletters the IPWEA 2005 National Overseas Study Tour will travel to Canada, the United States and return via the United Kingdom.

The Tour will run from 2nd to 22nd September and will include attendance at the American Public Works Congress and Exhibition from 11th to 14th September 2005.

The Tour itinerary includes visits to Hong Kong, Vancouver, Edmonton, Calgary, Minneapolis, Chicago and return via London.

The tour theme will be exploring best practice in Public Works.

Applications, closing 30th of April 2005, are sought for a Foundation Endowment Grant to cover the cost of participation on the Tour.

Full details of the Endowment Conditions are listed on the IPWEA website. Click on the "quicklink" to the NSW Division site and then go to Endowments. Alternatively go straight to:

<http://www.ipwea.org.au/members/awards/endowments.html>

Further information can be obtained from Lita Somogyi on 8267 3001 or from Chris Little on 8267 3011.

This is a wonderful opportunity and well worth considering!

For further information
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URL: <http://www.ipwea.org.au>
Last Modified:

<http://www.ipwea.org.au>

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http://www.metu.edu.tr/home/wwwmdcst/publications/proceedings_01.html

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Do we need to retrofit municipal waste vehicles for new eco fuels

<http://www.apwa.net/bookstore/detail.asp?PC=PB.AVRG>

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Packaging Materials. Language Notice and Content Disclaimer: The information found below was provided to Industry Canada by STAT-USA (<http://www.stat-usa.gov/>), and is supplied in English only. ... - Fraenkische Hartpapierwaren GmbH, subsidiary of the ... recycling is called the "Duales System Deutschland (DSD)," and ...
strategis.ic.gc.ca/epic/internet/inimr-ri.nsf/en/gr110191e.html - 108k - Im Cache - Weitere Seiten dieser Web-Site - Speichern - Blockieren

http://dualessystem.de/Package_Deal.1325+B6Jkw9MQ__.0.html

http://www.recyclingmagazin.de/links/c_verbaende.htm

<http://www.inem.org/htdocs/companies/germany.html>

2006 - European Year for Workers' Mobility (13/1/2006)
 Towards a European Labour market

http://www.gruener-punkt.de/DER_GR_NE_PUNKT.50+B6Jkw9MQ__.0.html

http://www.landofideas.org/CDA/dialogue_-_detail,1797,0,newsid-1908,en.html

http://www.green-dot.de/The_latest_news.38+B6JmJhY2tQSUQ9MzgmmdHRfbmV3cz0xNTQ2JmNIYXNoPwM1NTgzODRjMDM_.1.html

<http://www.greendot.ie/specs.html>

<http://www.greendot.ie/profile.html>

<http://www.green-dot.org.uk/>

<http://www.greendot.org/home/index.html>

<http://www.greendot.org/schoolmodel/index.html>

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

<http://intranet.greendot.org/>

<http://www.getmygreen.com/locator.aspx>

<http://www.greendotcorp.com/network.htm>

<http://www.packaging-waste.com/home.htm>

http://www.informinc.org/xsum_greendot.php

http://cdgroupinc.com/green_dot.htm

<http://green-dot-prepaid-master-card.onewalk.org.uk/>

<http://www.envipak.sk/upmenu/greendot.htm>

http://www.emergogroup.com/Services/Worldwide/Packaging_Waste_Compliance.asp

http://www.toy-tte.org/green_dot.html

<https://www.valpak.co.uk/nav/buildpage.aspx?SectionID=1035&referrer=search.ninemsn.com.au>

<http://www.green-dot.org/Europe.52+B6Jkw9JTNG.0.html>

<http://hazmat.dot.gov/pubs/erg/greenpgs.htm>

http://www.ahk-london.co.uk/en/ser_env_green_uk.php

http://evolutioncard.com/Green_Dot_Load_Centers/

http://www.repak.ie/site_map.html

http://www.tradeangles.fsbusiness.co.uk/articles/green_dot.htm

<http://www.green-dot.com/Sitemap.140.0.html>

<http://www.packagingmagazine.co.uk/news/environment/>