Press Pack /Media Kit

For Immediate Release

The Health Care Waste Summit & Expo 2009

18 & 19 May 2009
Southern Sun OR Tambo International Airport Hotel,
Johannesburg, South Africa

Hosted by:

Health Care Waste Forum
Institute of Waste Management of Southern Africa

Sponsored by:

Daniels
Compass (Pty) Ltd.
Psychem

“Seeking Solutions for the Challenges of the future”
# Index

<table>
<thead>
<tr>
<th></th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction 3</td>
</tr>
<tr>
<td></td>
<td>Letter from the Organisers 3</td>
</tr>
<tr>
<td></td>
<td>Press Release 4</td>
</tr>
<tr>
<td></td>
<td>What is the Health Care Waste Summit &amp; Expo 2009 6</td>
</tr>
<tr>
<td></td>
<td>About the Health Care Waste Forum Southern Africa 9</td>
</tr>
<tr>
<td>2</td>
<td>Sponsors &amp; Endorsers 10</td>
</tr>
<tr>
<td>3</td>
<td>List of Exhibitors 13</td>
</tr>
<tr>
<td>4</td>
<td>Summit Programme 19</td>
</tr>
<tr>
<td>5</td>
<td>Speakers, Abstracts &amp; Papers 24</td>
</tr>
<tr>
<td>6</td>
<td>Abbreviations 48</td>
</tr>
<tr>
<td>7</td>
<td>Attendance List 50</td>
</tr>
</tbody>
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1. Introduction

From the Desk of the Organisers

Dear Press Representative,

It is with pleasure that we herewith introduce you to the very first official Biennial Health Care Waste Summit & Expo 2009 that will be hosted by the Institute of Waste Management of Southern Africa and the Health Care Waste Forum Southern Africa.

This comprehensive and informative event will take place at the Southern Sun OR Tambo International Airport Hotel on the 18th and 19th of May 2009 and it will investigate strategies and action plans based on the complete eradication of mismanaged Health Care Waste in Southern Africa.

This press pack contains all the required information based on the event program, speaker profiles and topical discussions. Should you require any further assistance, please do not hesitate to contact me directly.

Consulting to the Health Care Waste Forum Southern Africa

André Snyman

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Press Release

For Immediate Release

2009 / 05 / 13

Forum calls on medical waste industry collaboration at two day summit & expo

The Health Care Waste Forum are hosting a two day summit and expo from 18 – 19 May 2009, at the Southern Sun OR Tambo International Airport Hotel. All interested parties are invited to register for the event and take part in identifying feasible options to save and legalise this industry sector.

The Health Care Waste Forum, currently operating under the auspices of the Institute of Waste Management of Southern Africa (IWMSA), has joined forces with the Department of Environmental Affairs and Tourism (DEAT) and the Department of Health (DOH) to put a final stop on the illegal dumping of infectious waste in South Africa. A two day conference and expo will be hosted in Kempton Park, from 18-19 May 2009 to work on a strategy to curb the looming crisis.

“The illegal dumping and stock-piling of health care risk waste remains the order of the day throughout the country and something needs to be done urgently to eradicate the mismanagement of medical waste policies and standards in Southern Africa” says Magner, Chairperson to the Health Care Waste Forum Southern Africa.

The conference, entitled ‘Seeking solutions for the challenges of the future’, will draw attention to a variety of local and international business opportunities and seek partnerships with a large number of organisations that are directly and indirectly associated with medical waste generation and treatment. Specific emphasis will be placed on the implementation of standards that are legitimate and sustainable especially pertaining to tenders.

Eighteen speakers from various medical associations, hospitals, treatment plants and government departments will address the delegates. Currently, policies for medical waste are individually driven by the nine provincial governments causing a substantial overload of regulation for service providers that need to cross provincial borders when transporting and treating waste. “This conference will be seen as the final frontier for dealing with all the underlying challenges and differences of opinion that are currently undermining good governance practices. We look forward to putting a national health care waste strategy together at the end of the conference,” says Janet Magner, Chairperson to the Health Care Waste Forum Southern Africa.
Some of the speakers include international masterminds, Edward Krisiunas, a USA expert operating within the international medical waste arena as well as Terry Grimmond, a medical microbiologist from the Daniels Corporation located in Australia. Local senior government officials representing the directorate authorisation and waste disposal management and the directorate for waste and policy management as well as experts from the legal fraternity and environmental management specialists will lead this critical and much needed discussion forum.

This conference will also feature a small business hub with its own exhibition floor that caters for waste disposal companies, treatment plants and solution providers to showcase their products and services to the health care market. The exhibition will be open to the public on 19 May and is expected to attract representatives from clinics, laboratories, pharmaceutical companies and hospitals.

With the Forum’s presence and membership base growing significantly, change is for certain. This very active forum is currently succeeding in positioning itself as the ultimate voice for eradicating the mismanagement of medical waste in South Africa and it is believed to be one of the most dynamic attempts yet in putting a halt on poor waste management practices. For more information please contact the forum project coordinator at snymana@tiscali.co.za or visit: www.hcwforum.org.

###

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What is the Health Care Waste Summit & Expo 2009?

Background

As you might be aware, Health Care Waste is a mounting problem in the Southern African Region as in many other countries. Over recent years there have been numerous press statements of health care risk waste being disposed of in an incorrect manner. People that have been most effected by health care risk waste have been the poor disadvantaged members of society. The incineration of medical waste has also caused much concern. Previously, civil society had not been given a platform to voice their concerns regarding the health impacts that health care waste and incineration has had on their quality of life, and only recently has civil society taken a stand to state that “enough is enough”, and have sought ways to voice their concerns in a legitimate manner.

In addition, claims were also made stipulating that the biggest problem in the effective management of Health Care Waste lies with risk awareness, public exposure, incinerator capacity and the increasing need for a Solid and Sustainable National Health Care Waste Strategy.

The unsafe disposal of health care waste (for example, contaminated syringes and needles) poses immense public health risks. Contaminated needles and syringes represent a particular threat as the failure to dispose of them safely may lead to dangerous recycling and repackaging which lead to unsafe reuse. Contaminated injection equipment may be scavenged from waste areas and dumpsites and either reused or sold to be used again.

In addition to the public health risks, if not managed, direct reuse of contaminated injection equipment results in occupational hazards to health workers, waste handlers and scavengers. Where waste is dumped into areas without restricted access, children may come into contact with contaminated waste and play with used needles and syringes. Epidemiological studies indicate that a person who experiences one needle stick injury from a needle used on an infected source patient has risks of 30%, 1.8%, and 0.3% respectively of becoming infected with HBV, HCV and HIV.

Surely it would seem that the management of health-care waste requires increased attention and diligence to avoid the substantial disease burden associated with poor practice, including exposure to infectious agents and toxic substances. Incinerators provide an interim solution especially for developing countries where options for waste disposal such as autoclave, shredder or microwave are limited.

In order to address all the challenges at hand the Health Care Waste Forum Southern Africa has envisaged a national summit for the year 2009 to ensure that best practice is promoted in order to ensure optimal operation of the national health care system. Themes that will be addressed in the Summit program include:

- Investigating both new and existing legislation in health care waste management to secure a sustainable national health care waste management program
- Evaluating the treatment and disposal of medical waste
- Promoting awareness for health care waste at generation level that include all medical treatment facilities from hospitals, beauty salons to tattoo parlors
- Implementing a comprehensive industry action plan for short and long term challenges
In addition to the above the Forum will also outline objective guidelines toward the effective management of current operational difficulty with incinerators, including inadequate training of operators, waste segregation problems and poor maintenance.

As national forum we have dedicated ourselves to the development of strategies that will minimise risks and maximize opportunities.

**About the Summit**

The Health Care Waste Summit & Expo 2009 is taking place for the first time under the banner of the Health Care Waste Forum Southern Africa to address an industry in crisis. During 2008 the Health Care Waste Forum Southern Africa hosted a series of National Imbizo’s that served as launch platforms for the Forum’s aims and objectives throughout the country.

The main aim for this interactive summit is to provide the ultimate Southern African platform for all participants that strive towards the effective management of health care waste on the Southern Tip of the African Continent. Our primary focus point will be to gather and conclude a final health care waste management action strategy that can be enrolled nationally in all Southern African countries involved.

**The Summit will investigate:**

- The implementation of a comprehensive system, addressing responsibilities, resource allocation, handling and disposal. This is a long-term process, sustained by gradual improvements;
- Awareness raising and training about risks related to health-care waste, and safe and sound practices;
- Selection of safe and environmentally-friendly management options, to protect people from hazards when collecting, handling, storing, transporting, treating or disposing of waste.
- Encouraging government commitment and support that needed to reach an overall and long-term improvement of current challenges.

The Summit will attract the best minds in the field of health care waste management, environmental and healthcare specialists. The 2009 Southern African Summit will be hosted in the economic heart of Johannesburg, South Africa’s city of Gold.

The main theme of the Summit is: “Seeking Solutions for the Challenges of the Future”

In addition to this main theme, there will also be open sessions where participants can present their perspectives on other matters related to the challenges in the industry and the way forward.

Themes that will be addressed in the Summit program include:

- New and existing legislation in health care waste management
- Treatment and disposal of medical waste
- Health care waste at generation level
- Industry action plan for short and long term challenges
A World-class Interactive Summit Experience

The Health Care Waste Summit & Expo 2009 will explore the state of the industry, highlight the business imperatives, outline current and future trends, present latest innovations and development, explore powerful business applications and stress technology benefits. It will provide a framework for successful migration strategies and present proven implementation methodologies through enlightening International and African and Southern African Case studies.

The Health Care Waste Summit & Expo 2009 is more than just a conference. It is a director-level meeting place of the biggest buyers, sellers and experts in the industry to design business models and to ensure profitable implementation over a short span of time. It is a stimulating summit driven experience with interactive panel discussions, case studies of successful international implementation, and facilitated open sessions for delegates to debate and deliberates the issues they are facing.

A Growing Market

“The industry is in crisis…. It is cut-throat and something is very wrong”. The stockpile is symptomatic of a bigger problem” Joanne Yawitch, Deputy Director-General Department of Environmental Affairs & Tourism

The Health Care Waste Summit 2009’s vision is to unite the different players in the industry in an unbiased and non-confrontational forum.

The Health Care Waste Summit & Expo 2009 is Southern Africa’s only industry dedicated HCRW event where you can:

- Live and breathe world-best practice
- Network with peers and industry leaders
- Learn how to deliver return on investment through effective and modern health care waste solutions
- Evaluate the best new processes and technologies
- Get fresh ideas
- Benchmark their performance against industry leaders
- Learn about cost-effective business applications

On behalf of the Health Care Waste Forum Expo, our partners, sponsors and endorsers we would like to thank you for your attendances and support. We trust that you will find the event valuable and informative.

Thank you for your support.

The Health Care Waste Forum Southern Africa
About the Health Care Waste Forum Southern Africa

The Health Care Waste Forum Southern Africa is a non-profit member-based organisation open to all stakeholders of the Medical and Health Care Waste industry. The Forum was established from the Health Care Waste Interest Group, founded in 2000 under the auspices of the Institute of Waste Management of Southern Africa.

Members of the Forum include representatives from public and private sectors with interests from where the products and materials are manufactured, to the use and implementation thereof and disposal of the waste generated as a result. Integral to the Forum is the continuous dialogue that is encouraged and stimulated between various parties in interactive and dynamic forum sessions.

Its vision is to be the primary voice of the health care waste industry and their mission is to provide a strategic communication platform for the whole industry to share experiences on legislation, best practice, new information and network with industry stakeholders. The forum is accessible to all. Their core value is to operate within the policy and ethical frameworks delineating professional waste management.

We provide:

- A modern a strategic forum for the dissemination of information to the Health Care Waste Industry in Southern Africa
- A showcase of the latest products, services, technologies, regulation and legislation
- General support and assistance to the Health Care Waste Industry

Our primary focus areas include:

- Raising the profile of the Forum in order to become a lobbying power on Southern African local, provincial and national government level in line with international standards and practice
- Training provision, accreditation and development of specific courses, development of industry participants and application and promotion of healthcare waste standards and international best practice
- Operating as a Platform for research and information dissemination and communication to the industry and stakeholder groups, networking between industry and government

Our key stakeholders include:

- Providers of healthcare services (government and private)
- Laboratories
- Pharmaceutical companies
- Transport of healthcare waste
- Treatment of healthcare waste
- Government – legislator and generator of healthcare waste
- Landfill
- Academics

For more information please contact Ann Oosthuizen on +27(0)11 675 3462 or iwmsa1@telkomsa.net
2. Sponsors & Endorsers

Sponsors

The Health Care Waste Summit & Expo 2009 is proudly sponsored by:

Company

John Snow International
Making Medical Injections Safer

JSI and its staff are dedicated to improving the health of individuals and communities throughout the world. We believe that all people are entitled to accessible, appropriate quality health care. To make this vision a reality JSI applies practical and innovative solutions in management, research, education, information and training.

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Mobile: +27 83 266 3448
Fax: +27 86 541 3485
mmosiane@jsimmis.org.za
www.jsi.com

Sterifant International Holding AG

The company with the worldwide perfect solution for the sterilisation of medical waste. The company with the perfect solution in consumables for clean handling of infected clinical waste. The company with a low cost and simple system for landfill treatment and treatment of domestic waste.

Contact Details

Errol Staude
082-430 1995
errols@komatsu.co.za
http://sterifant.net/index.php

Daniels Sharpsmart Compass (Pty) Ltd.

Compass Waste Services was established to provide a “First World” scientific approach to health care risk waste management. Compass revolutionized the health care risk waste industry in South Africa by pioneering the introduction of Bondtech autoclaves as an environmentally friendly alternate treatment method to incineration. Besides health care risk waste collection & treatment, Compass also offers a wide range of related products and services, including extensive training programmes and on-site management. Compass Waste is currently the largest medical waste treatment company in KZN and the Free State and is rapidly expanding into other provinces in South Africa.

Contact Details

Julie Venter
Marketing Manager
Compass Waste Services
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Facsimile: 031 267 9732
Cell Phone: 082 888 5775
Email: julie@compass.za.net
Website www.compass.za.net
Psychem Waste Solutions (Pty) Ltd.

Psychem Waste Solutions (Pty) Ltd was established in 1996 as a Close Corporation running under the Trading name of Psychem Consultants CC. Initially the company had two focus areas namely business consulting and development of crime investigation products. The constant neglect of environmental aspects and the resultant affect on the cognitive development of children sparked a keen interest in environmental care, with the member of Psychem who is an Industrial Psychologist by trade.

This interest developed into a business with the main focus being Health Care Risk Waste management and providing high levels of service to our clients thus a passion for environmental preservation aligned with a business opportunity created the driving force in establishing the vision and mission of the company.

Solid Waste Technologies SA (Pty) Ltd

WTSA was established in 1993 to seek business opportunities within the waste sector in South Africa. The company conducted research into various Waste Technologies internationally and signed agreements with the very best in the United States and United Kingdom. Some of these technologies include Waste to Energy, Automatic Waste Recycling Systems and the manufacturing of products from recycled materials. SWTSA has been selected as a preferred health waste partner in South Africa by Stericycle, the largest Health Care Waste Systems Supplier in the world. We are the owners of a 25 ton a day processing plant in Cape Town with a monthly capacity of 1200 tons and a plant at City Deep in Gauteng with a daily capacity of 50 tons and a monthly capacity of 2540 tons.
Endorsers

The Health Care Waste Summit & Expo 2009 is proudly endorsed by:

National Department of Health
ramatm@health.gov.za

The Forum for Professional Nurse Leaders
www.fpnl.co.za
Contact Person: Janine Slome
Tel: 011 883 1952

The Council for Health Services Accreditation of Southern Africa
www.cohsasa.co.za
Contact Person: Prof Stuart Whittaker
Tel: 011 883 1952

The Clinical Engineering Association of South Africa
http://www.ceasa-national.org.za/
Contact Person: Phillip Wilmot
Tel: +2711 653 2000

CPC Qualicare
Contact Person: Dr Tony Behrman
Tel: 021 462 4777
Email: cpctb@mweb.co.za

Gauteng Provincial Government
www.health.gpg.gov.za
Contact Person: Kathie Jansen
Tel: 012-3039044

The Department of Agriculture and Environmental Affairs (DAEA – KZN)
Tel: 033-355 9100
3. List of Exhibitors

The Health Care Waste Forum Southern Africa proudly brings you the following exhibitors that will have their exclusive range of products and services on display. All displays and exhibits are set up the Khanya Room of the Hotel’s Conference Centre and will also form the central focus point for all refreshments lunches and teas.

Please feel free to visit the following companies that will be showcasing their products and services in the exhibition hall:

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<th>Stand</th>
<th>Company</th>
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<td>Siyandisa Waste Services</td>
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<td>Hydroclave™ Technology is the Hazardous Waste Treatment Solution to the growing demand for a non-incineration, cost effective and environmentally responsible method of biomedical and infectious waste treatment. Siyandisa Waste Services is an empowered South African company offering a full turn-key solution for hazardous waste treatment:</td>
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<td>• Sale vs. full maintenance lease + Model selection</td>
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<td>• Design/build specification + Site assessment</td>
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<td>• Operation and training</td>
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<td>Syandisa Waste Services</td>
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<td>T: 031 580 2000</td>
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<td>350 Umhlangane Road</td>
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<td>Durban North 4016</td>
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<td>Psychem Waste Solutions (Pty) Ltd.</td>
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<td>Ludwig Hartmann</td>
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<td></td>
<td>General Manager</td>
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<td>Tel: 0860 779243</td>
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Stand 3 : Tshumisano Waste Management

Tshumisano Waste Management was established in 2004 by black entrepreneurs who had a vision of offering their clients total integrated waste management solutions that are in line with National Waste Management Strategy objectives. The company is committed to a healthy and safe environment and to this end Tshumisano Waste Management sees itself as one of the key role players in the waste management arena, Specialising in health care risk waste management. Tshumisano Waste Management has subsidiary companies like Tshumisano Environmental Services. Tshumisano Environmental Services is based in Gauteng and services the Gauteng and North West Provinces.

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nkululeko@mysticbluetrading.co.za

Stand 4: Buckley Flange & Steel CC.

Buckley Flange & Steel is a nationally recognised engineering company. We have a 5 year track record of success in a specialised field and range of products which includes the following:

- Stainless steel for specialised medical waste equipment such as the Buckley Needle destroyer
- Incinerators, burners, ovens
- Specialised products in stainless steel and carbon steel for the Petrochemical and Mining Industry
- Flanges, thermo couples, pinions, gears, sprockets, gear racks, pulley drives.
- Tube sheets, heat exchanges and valves.

We pride ourselves in our high service levels and quality control, ISO 9001:2000 regulatory Requirements and selected SABS approved products. Our sound engineering knowledge enables us to deal with all the challenges and producing cost effective products.

Buckley Flange & Steel CC.
Tel        : +2711 421 8145
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Mobile : 082 565 8478

Stand 5 : Sharp Move Trading T/A Premier Medical Waste Operations

Contact : Dr Zola Mbovani
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Fax : 021 386 6058
Email: zolam@netactive.co.za
Stand 6: Wasteman Healthcare

The interests of all generators of waste in the Industrial and Commercial sectors are best served, by a responsible service provider, through the provision of a “Total Waste Management Solution”. Wasteman offers its Clients a one-stop service, through which they are able to outsource all site waste services with associated risk management.

It is thereby ensured that all suitable systems are fully integrated, to provide the most efficient, hygienic, cost-effective and environmental compliant solution for the Client. On-site Waste Management A key component in the provision of a Total Waste Management Solution is the provision of an on-site waste management service. Through the correct implementation of this service, all aspects of managing the waste streams generated are accurately controlled as well as the provision of suitable equipment. It is thereby ensured that all suitable systems are fully integrated to provide the most efficient, hygienic, cost-effective and environmental compliant solution for the Client.

The Total Waste Management Solution would include the correct handling, containment, control, transport, and disposal of general and hazardous waste in an environmentally sound and responsible manner, and in compliance with all relevant prevailing legislation.

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Stand 7: Solid Waste Technologies SA (Pty) Ltd.

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7536
Stand 8 :

The Institute of Waste Management of Southern Africa

The Institute of Waste Management of Southern Africa is a multi-professional disciplinary organisation with voluntary membership established, not for gain, to promote the science and practice of waste management. The IWMSA is committed to protecting the environment and people of Southern Africa through sustainable best practical environmental options by:

- Contributing to improving waste management standards and legislation...
- Supporting international, national and regional, trends in best environmental practices...
- Promoting the science and technology of waste management...
- Practicing affordable cost effective waste management...
- Educating and promoting sustainable best practical environmental options...

The Health Care Waste Forum Southern Africa

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1737

Weltevredenpark Shopping Centre
cr. Kanniedood & Rinyani Streets,
Weltevredenpark
Stand 9 : Howden Africa

Howden is a leading turnkey supplier of medical waste destruction systems, offering customised design, construction and commissioning of incineration and non-burn plants for this purpose. Primarily the company engineers, designs, constructs and commissions incinerators based on cost-effectiveness, and according to environmental regulations for medical waste disposal. Howden incineration systems are equipped with flue gas treatment plants that remove dust; neutralise acid gasses such as sulphur dioxide, hydrochloric and hydrofluoric acids; and absorb heavy metals from flue gasses. The development of these environmentally-friendly incinerators is part of the broader Howden gas handling solutions offering that has been used to meet required emissions at power stations, mine smelters and in heavy industry. Howden incinerators suitable for medical waste disposal include:

- Pyrolytic combustion and gasification systems with capacities up to 1 000 kg/hr
- Rotary kiln technologies with capacities up to 6 500 kg/hr
- General waste incinerators for smaller volumes of between 50kg and 100kg/hr

In addition to incinerators, Howden also offers non-burn medical waste treatment systems that shred, sterilise and deodorise waste using water and bleach. Howden engineers will be available at the Healthcare Waste Summit 09 – Display 14 – to provide further detail on medical waste disposal systems customised for individual applications.

Contact
Tel: +27 11 240 4000
E-mail: enquiries@howden.co.za
www.howden.co.za

Stand 10 & 11 : Compass Waste Services (Pty) Ltd.

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Email: julie@compass.za.net
Website www.compass.za.net
Stand 12 : John Snow INC

JSI and its staff are dedicated to improving the health of individuals and communities throughout the world. We believe that all people are entitled to accessible, appropriate quality health care. To make this vision a reality JSI applies practical and innovative solutions in management, research, education, information and training.

Contact : Martha Mosiane
Project Coordinator
JSI/MMIS-SA Offices
Lord Charles Office Park
Brooklyn Road, Pretoria
Tel: +27 12 346 6940, ext 204
Mobile: +27 83 266 3448
Fax2mail: +27 86 541 3485
mmosiane@jsimmis.org.za
www.jsi.com

Table Top : Dynamic Enviroclean

Dynamic Enviroclean is a company with management experience of more than 20 years in the cleaning, hygiene and enviroment business. We are in compliance with all applicable health, safety and environmental requirements for our staff, our customers and the public. Services : Medical Waste Removal, Cleaning Services & Pest Control

Table Top : Choice Decisions 1148

Established in 2001 as a consulting service to the mining industry, Choice Decisions expanded is client base and product pro-file in 2009 to include a Medical Division. This new Division focuses on the supply of products for the many varied aspects of Infection Control including:

- Surface Disinfection
- Equipment Disinfection
- Vehicle Disinfection
- Hand Decontamination, Hygiene & Skin care
- HealthCare Risk Waste
- Spill Kits
- Personal Protective Equipment & PPE Kits
- Water Purification
- Single-use medical items

Contact: Pamela Gordon (Marshall)
011 452 4741
083 229 2286
cd1184@ananzi.co.za
### Day 1
**Monday 18 May 2009**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker / Facilitator / Chairperson</th>
<th>Venue</th>
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<tbody>
<tr>
<td>07:00</td>
<td>On-Site Registration Opens for Speakers &amp; Delegates</td>
<td>Conference Hostess: Ann Oosthuizen&lt;br&gt;Secretary, The Health Care Waste Forum Southern Africa</td>
<td>Conference Centre Foyer</td>
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<td>All delegates and speakers are requested to please report to the on-site registration desk on arrival.</td>
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<td>Early Morning Refreshments</td>
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<td>Exhibition Hall Khanya 1,2 &amp; 3</td>
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<td></td>
<td>Summit Session 1&lt;br&gt;Best Practice Health Care Risk Waste Treatment and Disposal in Southern Africa</td>
<td>Session Chairperson: Mbaweni Manqele&lt;br&gt;Director&lt;br&gt;Duyaze Environmental Consultancy&lt;br&gt;Ilanga Room</td>
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<td>08:50</td>
<td>Chairpersons Opening Remarks&lt;br&gt;<em>Venue Orientations and House Rules</em></td>
<td>Mbaweni Manqele&lt;br&gt;Director&lt;br&gt;Duyaze Environmental Consultancy&lt;br&gt;Ilanga Room</td>
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<tr>
<td>09:00</td>
<td>Official Welcoming and Opening&lt;br&gt;Official Welcoming and Opening of the Health Care Waste Summit &amp; Expo 2009.</td>
<td>Stan Jewaskiewitz&lt;br&gt;Vice-President&lt;br&gt;The Institute of Waste Management of Southern Africa&lt;br&gt;Ilanga Room</td>
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<tr>
<td>09:05</td>
<td>Keynote Opening Address: Committing to best practice governance and service provision in the health care waste sector.</td>
<td>Eddie Hanekom&lt;br&gt;Deputy Director: Waste Governance&lt;br&gt;Department of Environmental Affairs and Development Planning&lt;br&gt;Ilanga Room</td>
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<tr>
<td>09:15</td>
<td>Getting to Grips with the Treatment Capacity In Southern Africa to Minimise Health Care Waste and Provide More Effective Health Care Waste Management Solutions</td>
<td>Kelello Ntoampe&lt;br&gt;Directorate: Authorisation &amp; Waste Disposal Management, Department of Environmental Affairs and Tourism, South Africa &amp; June Lombard&lt;br&gt;Director&lt;br&gt;Icando&lt;br&gt;Ilanga Room</td>
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<td>- Analysing existing and new technologies available for Health Care Risk Waste in Southern Africa&lt;br&gt;- Evaluating present permitting issues with regard to new technology&lt;br&gt;- Are the permitting requirements efficient for new technology?&lt;br&gt;- Evaluating the current status of permitting for the South African Health Care Waste Service providers</td>
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<td>10:00</td>
<td>International Keynote Address: Global Health Care Risk Waste Treatment – The international perspectives on:</td>
<td>Pit Suessmann&lt;br&gt;Sterifant International Holding AG&lt;br&gt;Ilanga Room</td>
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<td>- Evaluating the international state within all forms of medical waste treatment and disposal in both 1st, 2nd and 3rd world countries&lt;br&gt;- Can global problems within the medical waste industry be overcome by implementing alternative forms of technology?&lt;br&gt;- Reducing the lack of urgency in the South African Health Care Waste sector by benefiting from other treatment technologies that meets up with proven international environmental standards</td>
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• Merging international standards with current Southern African specifications to ensure best practice health care risk treatment and disposal
• How can international standards and specifications applied within South African context?
• The need to evaluate the implementation of systems and strict control of records

Responsible treatment and disposal – an international legal perspective on the responsibilities of both service providers and governments

10:30 Mid-Morning Refreshments for Delegates and Speakers

11:00 The Implementation of the New National Health Care Waste Management Strategy for the South African Health Care Waste Sector
• Evaluating the impact, benefits and solutions encrypted in the New National Health Care Waste Management Strategy
• How will this new strategy benefit and impact the
  o Health Care Industry?
  o The Waste Management Industry?
  o The Health Care Waste Industry?
• Balancing the strategy with the required treatment capacity available
• What are the current projections for the strategy to work effectively and herewith benefiting industries from cradle to grave
  o What manpower will be needed for the implementation of the strategy?
  o What is the cost benefit factor for the implementation of the strategy?
• Analysing the availability of efficient equipment for rolling out the strategy
• What will be required from both Health Care Waste service providers and generators for the strategy roll out?

Dee Fischer
Director: Waste Stream Management, Department of Environmental Affairs and Tourism, South Africa.

11:30 International Keynote Address: The Methodology for Validating the Efficacy of Cleaning Reusable Containers
• Integrating permitting and regulation with the use of reusable equipment
• How clean is your clean container?
• Overcoming the logistical challenges for reusable containers
  o Capacity in use?
  o Capacity in circulation?

Terry Grimmond
Medical Microbiologist & Clinical Director
The Daniels Corporation
Australia

12:30 Commercial Break

12:50 Networking lunch for all delegates and speakers


Edward Krisiunas
President
WNWN International
United States of America
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Panelists</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Session Panel Discussion</td>
<td>• Health Care Risk Waste Treatment Capacity – The final frontier</td>
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<td>• What does the future hold for treatment capacity in Southern Africa?</td>
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<td>• Strategy Implementation</td>
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<td>• Responsible Treatment Ethics</td>
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<td>• How does Southern African treatment capacity and statistics compare to statistics from the rest of the world?</td>
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<td>• What can you do as generator, service provider and regulator of Health Care Waste to reduce environmental risk in future</td>
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<td>• Panelists :</td>
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<td>Dee Fischer</td>
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<td>Director: Waste Stream Management, Department of Environmental Affairs and Tourism, South Africa.</td>
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<td>Kelello Ntoampe</td>
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<td>Terry Grimond</td>
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<td>Medical Microbiologist &amp; Clinical Director, The Daniels Corporation Australia</td>
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<td>15:00</td>
<td>Mid-Afternoon Refreshments for Delegates and Speakers</td>
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<td>Exhibition Hall</td>
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<td>15:30</td>
<td>Summit Session 2</td>
<td>Session Chairperson:</td>
<td>Ilanga Room</td>
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<td></td>
<td>Legislative Platforms for Health Care Risk Waste in Southern Africa</td>
<td>Jenny Hall</td>
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<td>Environmental Lawyer</td>
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<td>Environmental Counsel CC</td>
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<td>• Reducing Provincial Regulation Overload by Promoting Respect and Compliance to National Industry Acts, Regulations and Specifications</td>
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<td>• A look into the requirements for national regulations to the new National Waste Management Act</td>
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<td>• Putting up a treatment plant in a province where your contract has been awarded in another</td>
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<td>• Addressing the difficulty of provincial cross border Health Care Waste transportation and treatment</td>
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<td>• Industry compliance: What is your role and responsibility?</td>
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<td>• Panelists :</td>
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<td>&amp; Obed Baloyi</td>
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<td>Waste and Policy Management Department of Environmental Affairs and Tourism, South Africa</td>
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<td>16:00</td>
<td>Panel Discussion: The current structure of penalties and enforcement on organisations that are showing misconduct within the legal platform for the South African Health Care Waste Industry.</td>
<td>Panelists:</td>
<td>Ilanga Room</td>
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<td>• What are the penalties for law-breaking behavior and are these penalties seen as effective?</td>
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<td>• How will the newly signed National Waste Management Act be enforced to eradicate unethical industry behavior, misconduct and wrong doing?</td>
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<td>• What are the legal penalties according to the NWM Act</td>
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<td>• How does the South African regulation for dealing with misconduct compare to other countries?</td>
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<td>• The need of a greater input from national government departments when dealing with industry non-conformance.</td>
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<td>• Are the legislators doing enough to secure and improve ethical behavior in the health care waste industry sector</td>
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<td>• Panelists :</td>
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<td>Francis Craigie</td>
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<td>Strategic Compliance and Enforcement, The Department of Environmental Affairs and Tourism</td>
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<td>Eddie Hanekom</td>
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<td>Deputy Director: Waste Governance Department of Environmental Affairs and Development Planning</td>
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<td>Jenny Hall</td>
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<td>Waste and Policy Management Department of Environmental Affairs and Development Planning</td>
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<td>08:00</td>
<td>Registration Opens for Day Delegates</td>
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<td>Conference centre Foyer</td>
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<td>Early Morning Refreshments</td>
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<td>Exhibition Hall Khanya 1,2 &amp; 3</td>
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<tr>
<td>08:45</td>
<td>Chairperson’s Remarks</td>
<td>Mr Ramsook Loykisoonlal.</td>
<td>Ilanga Room</td>
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<tr>
<td>09:00</td>
<td>TENDERS FROM A LEGAL PERSPECTIVE</td>
<td>Andrew Donnelly Shepstone &amp; Wylie Attorneys</td>
<td>Ilanga Room</td>
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<td>• Stressing the critical importance of standardising tendering specifications</td>
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<td>• Highlighting the skills and guidelines required for the awarding of Health Care Risk Waste tenders in South Africa</td>
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<td>• The importance of awarding tenders based on the technology used and level of service provided</td>
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<td>• The loss of profit and financial viability related to “time constraints” on the tendering process</td>
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<td>09:45</td>
<td>The Evaluation of Operational and Administrative Procedures of Health Care Waste Management in Public District Hospitals of South Africa</td>
<td>Sipho Vumase Chief Executive Officer Manguzi Hospital</td>
<td>Exhibition Hall Khanya 1,2 &amp; 3</td>
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<tr>
<td>10:15</td>
<td>Mid-morning Tea for all Delegates and Speakers</td>
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<td>Ilanga Room</td>
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<td>10:45</td>
<td>Analysing the Risks Involved With Generators Not Taking Up the Responsibility of Proper Waste Segregation</td>
<td>Janet Magners Mike Smith Director Magallan Risk Services &amp; Microbiologist &amp; Academic</td>
<td>Ilanga Room</td>
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<td>• Investigating the environmental and treatment risks involved</td>
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<td>• With whom should the responsibility rest to ensure proper and adequate risk waste segregation?</td>
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<td>• Evaluating the risks that sub-standard equipment supplied by the Service Provider has on the workers</td>
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<td>• Evaluating the corporate responsibility as Health Care Waste generator</td>
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<td>• Managing waste in a safe and responsible manner in order to promote sturdy Health Care Waste ethics</td>
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<td>11:15</td>
<td>Pharmaceutical Waste in a Community Pharmacy</td>
<td>Johan Bothma Executive Director CPS</td>
<td>Ilanga Room</td>
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<td>• Legislative requirements</td>
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<td>• Safe operating procedures for the management of expired and unused pharmaceuticals</td>
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<td>• Correct treatment technologies for pharmaceutical</td>
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<td>11:45</td>
<td>Commercial Break</td>
<td>Janet Magner, Chairperson, The Health Care Waste Forum SA</td>
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<td>12:00</td>
<td><strong>A visionary outlook into the Health Care Waste Industry:</strong> General Information Session on the HCWF</td>
<td>Janet Magner, Chairperson, The Health Care Waste Forum SA</td>
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<td>12:30</td>
<td>Networking Lunch for all Delegates And Speakers</td>
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<td>Exhibition Hall Khanya 1,2 &amp; 3</td>
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<tr>
<td>12:30</td>
<td><strong>Waste Track and Trace - Health Care Waste Statistics at your Fingertips</strong></td>
<td>Brian Delcarme, Senior Lecturer and Researcher, Cape Peninsula University of Technology</td>
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<td>13:30</td>
<td><strong>Waste Track and Trace - Health Care Waste Statistics at your Fingertips</strong></td>
<td>Brian Delcarme, Senior Lecturer and Researcher, Cape Peninsula University of Technology</td>
<td>Ilanga Room</td>
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<td>13:30</td>
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<td>Marius Greyling, North West Provincial Government</td>
<td>Ilanga Room</td>
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<td>14:00</td>
<td><strong>Case study : The challenges and solutions for HCWM in a rural setting</strong></td>
<td>Marius Greyling, North West Provincial Government</td>
<td>Ilanga Room</td>
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<td>Commercial Break</td>
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<td>14:40</td>
<td><strong>Summit Session 4:</strong> Conclusive Open Discussion</td>
<td>Mbaweni Manqele, Director, Duyaze Environmental Consultancy</td>
<td>Ilanga Room</td>
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<td>15:00</td>
<td>Feedback, Suggestions, Comments and Action Plans to be discussed in detail based on:</td>
<td>Janet Magner, Chairperson : The Health Care Waste Forum Southern Africa</td>
<td>Ilanga Room</td>
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<td>16:00</td>
<td><strong>Close of Summit and Mid-Afternoon Tea</strong></td>
<td>Mbaweni Manqele, Director, Duyaze Environmental Consultancy</td>
<td>Exhibition Hall Khanya 1,2 &amp; 3</td>
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<td><em>(Please ensure that you hand in your Summit evaluation form at the registration desk before departing from the event premises)</em></td>
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5. Speakers Profiles and Abstracts

Conference Chair

Mbaweni Manqele
Director
Duyaze Environmental Consultancy

Mbaweni Manqele holds an M.Ed (Environmental Education) from Rhodes University. She has been involved in Adult Education for the past 20 years and has been lecturing on behalf of Rhodes University part time as a consultant Tutor for long distance Education Students.

Mbaweni Manqele has also been involved in learning material development which was the main focus of her Thesis. Currently she is involved as a facilitator for developmental projects where she is expected to work with adult groupings from different backgrounds. She has been involved in training municipal officials in three different provinces on waste management. She was also part of the Project Team which was contracted by the DAEA to facilitate the public participation process of the KZN Waste Bill.

Her experience history as an educator and facilitator dates back to 1986 where she was a teacher leader for Biological Sciences up to 1991 where she joined KZN Wildlife (Natal Parks Board) as an education officer. In 1995, she joined a National Environmental NGO as an Organisation Development and Training facilitator until 2004 when she joined Duyaze Environmental consultancy which focuses on training and public facilitation.
Summit Session 1
Best Practice Health Care Risk Waste Treatment and Disposal in Southern Africa

Keynote Opening Address: Committing to best practice governance and service provision in the health care waste sector.

Eddie Hanekom
Deputy Director: Waste Governance
Department of Environmental Affairs and Development Planning

Eddie Hanekom is an Environmental Health Practitioner (EHP) of profession. After completing his studies at the Cape Technicon and the Free State Technicon he started working for the National Department of Health as EHP in 1981. There he worked in the environmental and occupational health field until 2003 and going through the ranks to reach the position of Control EHP.

At the end of 2003 Eddie joined the Department of Environmental Affairs and Development Planning and started to specialise in waste management. He is currently employed at the Department of Environmental Affairs and Development Planning as Deputy Director. Since 1996, Eddie has been closely involved in health care waste management and is now in the process of finalising the Health Care Waste Regulations for the Western Cape Province in South Africa.
Forum Discussion:
Getting to Grips with the Treatment Capacity in Southern Africa to Minimise Health Care Waste and Provide More Effective Health Care Waste Management Solutions

Kelello Ntoampe
Directorate: Authorisation & Waste Disposal Management, Department of Environmental Affairs and Tourism, South Africa

Kelello Ntoampe is a registered Professional Natural Scientist (SACNASP 400124/2000) with extensive hands on expertise in integrated environmental management; water resources management; integrated waste management; Safety, health and quality management.

She holds a Bachelor of Science Degree in Chemistry, Masters in Environmental Studies from the University of New South Wales in Australia and an honors degree in Conflict Management from Nelson Mandela Metropolitan University.

She started her career as a trainee Hydrogeologist working for the Italian Groundwater Project in Lesotho, still in the water industry she moved to environmental impact management. She later moved to the SHERQ field with a huge emphasis on waste management and has been in the field ever since.

She is currently working for the Department of Environmental Affairs & Tourism (DEAT) in Pretoria. Kelello’s responsibilities at the DEAT covers waste disposal authorisations in terms of the ECA and remediation of contaminated land.

June Lombard
Director
Icando

June Lombard is a registered professional natural scientist with an MSc degree in plant physiology. She is an EAPSA certified Environmental Assessment Practitioner, a senior fellow and past president of the Institute of Waste Management of Southern Africa and an environmental educator. She has spent many years lobbying for the development of SAQA standards and qualifications for waste and environmental management and her company is provisionally accredited as a training provider with the Local Government SETA in the field of Environmental Practice.

June has been involved in environmental, waste management and environmental capacity development projects both in SA and internationally, having worked in developing countries such as Botswana, Yemen, Philippines and Tanzania. She was responsible for capacity development aspects of the DEAT’s National Waste Management Strategy Implementation project, which included a Health Care Waste component, and has managed several EIA processes involving both incineration and autoclave HCW treatment facilities. She is also actively involved in training and education in the HCW sector.
Getting to grips with the treatment capacity in south Africa to minimise health care waste impacts and provide more effective health care waste management solutions

Kelello Ntoampe
Directorate: Authorisation & Waste Disposal Management,
Department of Environmental Affairs and Tourism, South Africa

&

June Lombard
Director
Icando

ABSTRACT

This paper examines challenges in the management of HCRW that relate to available treatment capacity and the authorisation of HCRW treatment facilities in South Africa. These challenges, which were identified during the provincial discussions leading up to this summit, included the following:

- Authorities’ refusal to recognise the critical shortage of treatment capacity
- Authorities’ inflexible stance towards alternative technologies and solutions
- Inadequate or inappropriate HCRW policies and standards
- Excessive delays in the processing of environmental and permit applications
- Regulator’s lack of response to requests for assistance
- Inconsistencies in application of regulations

These challenges form the basis of a dialogue between the HCW industry, as applicant, and DEAT, as the regulatory authority, each representing widely differing perspectives. The discussion identifies critical issues that need to be resolved, looks at actions taken during the past year to address the challenges, and seeks to find common ground that will enable both sides to move forward with increased cooperation and efficiency.

If the challenges are to be met, both sides must interrogate new technologies available for Health Care Risk Waste in Southern Africa with open minds; and evaluate current permitting issues relating to new technology especially in the light of the major changes in authorisation procedures brought in by new National Environmental Management: Waste Act (Act 59 of 2008) and the NEMA EIA amendments. The appropriateness of authorization requirements for new technology must also be debated. An additional, potentially monumental challenge will be to prevent the entire regulatory system experiencing a hiatus as a result of the profound institutional changes that will take place in the creation of a new Ministry of Water and Environmental Affairs.
The Implementation of the New National Health Care Waste Management Strategy for the South African Health Care Waste Sector

Dee Fischer
Director: Waste Stream Management, Department of Environmental Affairs and Tourism, South Africa.

The Implementation of the New National Health Care Waste Management Strategy for the South African Health Care Waste Sector

- Evaluating the impact, benefits and solutions encrypted in the New National Health Care Waste Management Strategy
- How will this new strategy benefit and impact the
  - Health Care Industry?
  - The Waste Management Industry?
  - The Health Care Waste Industry?
- Balancing the strategy with the required treatment capacity available
- What are the current projections for the strategy to work effectively and herewith benefiting industries from cradle to grave
  - What manpower will be needed for the implementation of the strategy?
  - What is the cost benefit factor for the implementation of the strategy?
- Analysing the availability of efficient equipment for rolling out the strategy
What will be required from both Health Care Waste service providers and generators for the strategy roll out?
International Keynote Address:
The Methodology for Validating the Efficacy of Cleaning Reusable Containers

“Statutes, Service & Science”

Terry Grimmond is an Australian medical microbiologist. He is a Fellow of the Australian Society for Microbiology and Clinical Director of Daniels International. He has 40 years experience in university hospitals and the commercial arena in the fields of Epidemiology, Infection Control and Medical Education and is an international speaker on Sharps Injury Prevention and Healthcare Risk Waste.

He serves on Sharps Container Standards in five countries, and was instrumental in the completion of the 2008 South African Sharps Container Standard. He is Canada’s Expert delegate to ISO on Injection Safety, and was recently appointed Chair of the Task Group to review the US Sharps Container Standard. He served on the Australian Federal Government Committee that wrote their National Healthcare Waste Guidelines; and on the Industry Committee that wrote the Australian Healthcare Waste Industry Code.

Terry has visited South Africa many times and recently established a foundation to raise funds to reduce South African healthcare worker exposure to Bloodborne Pathogens. He is author of some 41 papers and has spoken at more than 120 assemblies in 13 countries and received the ASM Distinguished Teaching Award and an Australian Outstanding Innovation Award for his work.

Would you please welcome terry to speak on the use of reusable containers for healthcare risk waste.

Synoptic Curriculum Vitae:

- 40 yrs medical microbiology, epidemiology and infection control in Univ. Hospitals & Corporate sector
- Fellow of the Australian Society for Microbiology; Grad Dip in Adult Educ & Training.
- Publications: 41; Oral papers: 39; Invited Speaker: 125 conferences in 13 countries.
- Currently: Consultant Microbiologist and International Clinical Director, The Daniels Corporation
- Current Committee Member:
  - ISO TC84 WG7 on Injection Safety (Canadian nominee).
  - International Tech C’tee on HealthCare Waste: International Solid waste Association
  - South African Bureau of Standards: Sharps Containers
  - Canadian Standards Association: Sharps Containers
  - Standards Australia & NZ: Reusable Sharps Containers
  - Standards Australia & NZ: Disposable Sharps Containers
  - Standards Australia: Clinical Waste
  - Amer Soc Testing & Materials: Chairman, Task Group reviewing Sharps Container Standard
- Former Committee Member:
  - Australian NHMRC Federal Committee on Clinical Waste.
  - Standards Australia: Microbiological Safety in Laboratories.
SA Gov C'tee drafting Clinical Waste Regulations.

- 2009 May, Keynote Speaker, Medical Waste Summit, Johannesburg, South Africa.
- 2009 Mar, Speaker, Sharps Injury Seminar, Montreal, QC Canada.
- 2006 May, Invited Speaker, Greater New York Hosp Assoc (Sharps Injury Prevention).
- 2005 May, Invited Speaker, USA APIC SW Region (Sharps Injury Prevention)
- 2004 Aug, Keynote Speaker, NZ Annual Infection Control Conf. (Sharps injuries)
- 2002 June, Invited Speaker, Infection Control Nurses Assoc London (Sharps Injury)
- 2002 May, Invited Speaker, Infection Control Practitioners Toronto Canada (Sharps Injury)
- 2001 May, Invited Speaker, Nat. Assoc. of Theatre Managers, London UK (Sharps Injury)
- 2000 Invited Speaker, Ministry Health, France (Clinical Waste & Sharps Management)
- 1998 Graham Ayliffe Inaugural Keynote, UK ICNA Annual Conf. (Medical Waste Management)
- 1992 ASM Australian Distinguished Teaching Award
- 1992 South Australian Outstanding Innovation Award (Medical & Sharps Waste Reduction Systems).
International Keynote Address:  
The Methodology for Validating the Efficacy of Cleaning Reusable Containers  

“Statutes, Service & Science”

Abstract

Permits and Regulations

Governments ensure safety of publics and environment in the first instance through broad parliamentary acts which in turn are implemented through detailed regulations formulated by government departments who, in granting permits to operate, may require additional procedures through their interpretation of the regulations. In addition, adherence to Standards may be required by law if these are incorporated under the act or regulation. Throughout this process in healthcare risk waste (HCRW) management, the foremost consideration is risk which, put simply, is probability x consequence, i.e. how frequent does an adverse event occur, and how severe is its outcome? For waste, risk can generally be classified as occupational, environmental, legal, political, social or economic.

Service logistics

How many in-use and spare reusable containers do you need to adequately service a client or community? The answer is multi-factorial and depends on: client size; waste volumes generated by client; number of locations in client facility; distance of factory from client; frequency of client service; client storage availability; client change-out protocols; legislation; number transfer stations; and waste stream types. Generalizations are difficult but usually the number of spares off-site will equal (sometimes exceed) the number of reusable containers on-site at client facility.

Validation of Cleaning Efficacy of Reusables

Reusable bins can potentially be contaminated with pathogens and decontamination processes must ensure those pathogens are not disseminated to hospital environment, staff or patients. Before discussing processes however, we need have clear and agreed understanding of the terminology surrounding decontamination. “Decontamination” renders an item safe for handling and use; Sterilization is the absence of vegetative (non-sporing) organisms and spores; Disinfection is the removal of vegetative pathogens; and cleaning is the removal of soil and organic matter. “Sterilization,” “disinfection” and “cleaning” are all modes of “decontamination”. Of note is that sterilization is the only decontamination mode where removal of organisms is measured in logs (6 log removal of spores); disinfection and cleaning are not defined in “logs”. Also of note is that the literature on these terms is almost entirely related to risk-prone surfaces in hospitals or food technology and care must be taken when extrapolating to surfaces (such as HCRW bins) that do not share such risk.

Currently in SA, reusable Healthcare Risk Waste (HCRW) containers are required by
law to be disinfected prior to reuse. This requirement is through incorporation of two Standards, SANS 10229-1:2005 and SANS 10228:2006 under the National Road Traffic Act of 1996.

Unfortunately no definition of disinfection or means of disinfection validation are given in the above SA Standards or regulations and this has lead to confusion as to what is required and how it should be adjudged. SANS 452:2008 has tried to accommodate this.

In assessing the necessity for disinfection of HCRW bins it is prudent to examine the scientific literature and epidemiological evidence on disease transmission risk. Beforehand, it behooves us to recall that disease transmission requires a Chain of Infection and all the following links in the Chain must occur before disease takes place: Pathogen presence; Pathogen numbers; Pathogen virulence; Susceptible host; Transfer from source to host; Correct entry into host.

It can be conservatively estimated that in USA, Australia, New Zealand and Canada, some 800 million reusable HCRW bins have been processed in the 20 years HCRW has been under scrutiny. In no instance has disease transmission been documented. With such history coupled with the above disease transmission principles, the US Centers for Disease Control and Prevention recommend cleaning, not disinfection, of such bins.

Could the disinfection requirement in SA be worth re-visiting?
International Address:
US and UK Standards for microbiological efficacy testing:
STAATT I, STAATT II, STAATT III, and IStAATT (1992-2009)

Family name: Krisiunas
First name: Edward Peter
Date of birth: February 25th, 1960
Nationality: Naturalized USA (Born in Canada)

Membership of professional bodies:
• American Society of Clinical Pathologist
• Association for Professionals in Infection Control and Epidemiology
• American Biological Safety Association
• Hospital Infection Society (UK)
• International Health Care Waste Network
• Council Member
• International Solid Waste Association
• Council Member - Health Care Waste Working Group
• Medical Waste Institute - USA
• International Society for the Analytical Assessment of Treatment Technologies (IStAATT)

Other skills: Associate Editor - Journal of the American Biological Safety Association & Referee - Journal of Hospital Infection

Present position: President, WNWN International (Years within the company:8)

Key qualifications:
• Medical waste management programs – national und international
• Medical waste minimization programs
• Evaluation of medical waste treatment technologies, microbiological efficacy testing of medical waste treatment technologies
• Development of guidance documents on the selection of treatment technologies, and the development and implementation of national medical waste plans for a number of countries.
• Infection Control
• Occupational Health and Safety
Session 1

Best Practice Health Care Risk Waste Treatment and Disposal

Session Panel Discussion

Panelists:

**Kelello Ntoampe**
Directorate: Authorisation & Waste Disposal Management,
Department of Environmental Affairs and Tourism, South Africa

**Dee Fischer**
Director: Waste Stream Management, Department of Environmental Affairs and Tourism, South Africa.

**Terry Grimond**
Medical Microbiologist & Clinical Director, The Daniels Corporation
Australia

**Frank-Michael Phieler**
Managing Director Sterifant International Holding AG

**June Lombard**
Director
Icando

**Edward Krisiunas**
President
WNWN International
United States of America

Discussion Points

1) Health Care Risk Waste Treatment Capacity – The final frontier
2) What does the future hold for treatment capacity in southern Africa?
   - Strategy Implementation
   - Regulation and Governance
   - Compliance
   - Responsible Treatment Ethics
3) How does Southern African treatment capacity and statistics compare to statistics from the rest of the world?
4) What can you do as generator, service provider and regulator of Health Care Waste to reduce environmental risk in future?
Summit Session 2
Legislative Platforms for Health Care Risk Waste in Southern Africa

Reducing Provincial Regulation Overload by Promoting Respect and Compliance to National Industry Acts, Regulations and Specifications

Jenny Hall
Environmental Lawyer
Environmental Counsel CC

Jenny Hall is an admitted attorney who has specialized in environmental law and policy for more than 15 years. She holds LLB and LLM degrees and is currently working part-time on a PHD on environmental and administrative law. Prior to establishing Environmental Counsel in 2000, Jenny was employed by Webber Wentzel Bowens and subsequently became managing director of Environmental Risk Services, a division of Alexander Forbes.

Jenny has assisted clients from all sectors on a range of waste management issues. In particular, Jenny has been involved in the drafting and implementation of several policies and legislation. She was on the project steering committee which oversaw the development of the White Paper on Integrated Pollution and Waste Management and National Waste Management Strategy. More recently she has been the drafter of the National Management: Waste Bill, 2006, the National Environmental Management: Air Quality Act, 2004, the Environmental Impact Assessment Regulations, 2006 and part of the drafting team of the National Environmental Management Act, 1998 as well as several municipal waste management by-laws. Jenny was also appointed as the legal expert for the for the National Waste Management Strategy Implementation Project, which included developing concept regulations on health care waste.

Apart from her experience in developing policy and legislation, Jenny has experience in the practical implementation of legislation through, inter alia, conducting audits on compliance with waste legislation and the development of a compliance and enforcement strategy for the Gauteng Provincial Department of Agriculture, Conservation, Environment and Land Affairs. Jenny is currently part of a team assessing alternative waste treatment technologies for the City of Johannesburg.

Obed Baloyi
Waste and Policy Management
Department of Environmental Affairs and Tourism, South Africa

Obed Baloyi holds a BA Honours degree from Wits University majoring in Environmental Management; Geographic Information Systems; Rural Development and Urbanisation in Developing Countries. He has been working for government for the past seven years. He is also currently the Director responsible for waste policy and information management with in the Department of Environmental Affairs and Tourism.
Summit Session 2
Legislative Platforms for Health Care Risk Waste in Southern Africa
Session Panel Discussion:

The current structure of penalties and enforcement on organisations that are showing misconduct within the legal platform for the South African Health Care Waste Industry.

Panelists:

Jenny Hall
Environmental Lawyer
Environmental Counsel CC

Obed Baloyi
Waste and Policy Management
Department of Environmental Affairs and Tourism, South Africa

Francis Craigie
Strategic Compliance and Enforcement,
The Department of Environmental Affairs and Tourism

Eddie Hanekom
Deputy Director: Waste Governance
Department of Environmental Affairs and Development Planning

1. What are the penalties for law-breaking behavior and are these penalties seen as effective?
2. How will the newly signed National Waste Management Act be enforced to eradicate unethical industry behavior, misconduct and wrong doing?
3. What are the legal penalties according to the NWM Act?
4. How does the South African regulation for dealing with misconduct compare to other countries?
5. The need of a greater input from national government departments when dealing with industry non-conformance.
6. Are the legislators doing enough to secure and improve ethical behavior in the health care waste industry sector?
Summit Session 2
Legislative Platforms for Health Care Risk Waste in Southern Africa
Session Panel Discussion:

The current structure of penalties and enforcement on organisations that are showing misconduct within the legal platform for the South African Health Care Waste Industry.

Francis Craigie
Strategic Compliance and Enforcement,
The Department of Environmental Affairs and Tourism

Frances Craigie currently holds the position of Director: Enforcement in the national Department of Environmental Affairs and Tourism (DEAT), where she is responsible for the national enforcement programme for environmental quality and protection legislation and assists in the co-ordination of the Environmental Management Inspectorate (EMI), (“Green Scorpions”). Prior to her transfer to the national department in 2008, Frances was employed as the Director: Strategic Compliance and Enforcement in the Department of Agriculture, Conservation and Environment (GDACE). She was responsible for the roll out of the EMI in the Gauteng province as well as the development of that Department’s compliance and enforcement programme (pollution, waste, environmental impact assessment and biodiversity). Before joining GDACE, Frances practised as an attorney in Johannesburg, and thereafter worked for Alexander Forbes Risk Services as an environmental legal consultant and business risk analyst. Frances holds an LLB degree from the University of Cape Town and is an admitted attorney of the High Court of South Africa.
Summit Session 3
Health Care Risk Waste at Generator Level

The Promotion of Good Governance and Best Practice Health Care Waste Management

Ramsook Loykisonnial has a National Diploma: Public Health and B. Tech. Degree: Environmental Health. Previously, Ramsook worked at the Gauteng Department of Health, Environmental Health Unit after which he was transferred to the National Department of Health (NDoH). One of his expertise at National Health is the management of Health Care Waste. He has been employed by the Government sector for the past 11 years with vast experience, exposure and knowledge on health care waste management. He works closely with national and international bodies, NGO’s, CBO’s, private sector, etc in providing leadership, guidance, assistant and support on health care waste management issues in the country.
Tenders from a Legal Perspective

Andrew Donnelly
Shepstone & Wylie Attorneys

NAME: ANDREW FARRELL DONNELLY

1960
BORN, DURBAN SOUTH AFRICA

1977
MATRICULATED, DURBAN HIGH SCHOOL

1978 – 1982
BA LLB (UNIVERSITY OF NATAL, DURBAN)

1983 – 1984
SOUTH AFRICAN DEFENCE FORCE

1985 – 1986
ARTICLES, DURBAN

1987
SHEPSTONE & WYLIE, PROFESSIONAL ASSISTANT, LITIGATION DIVISION

1989
PARTNER, SHEPSTONE & WYLIE

1995
HEAD OF LITIGATION: SHEPSTONE & WYLIE

1999 TO DATE
MEMBER EXECUTIVE BOARD

PROFESSIONAL QUALIFICATIONS:

1. BA LLB (1984)
2. DIPLOMA IN MARITIME LAW (1986)
3. CERTIFICATE IN TAX COMPETENCY (1995)
4. DIPLOMA IN INSOLVENCY LAW (1996)
5. NOTARY PUBLIC (2007)

SPECIALISED INTEREST OF LAW

COMMERCIAL LITIGATION WITH FOCUS ON CREDIT, INSOLVENCY DISPUTES, TENDER AWARDS AND JUDICIAL REVIEWS THEREOF, CONSTRUCTION AND ENGINEERING DISPUTES.

PUBLIC PROFILE CASES

1. DURBAN CITY COUNCIL VS WINCHESTER – CONSTITUTIONAL CHALLENGE WITH REGARD TO LICENSING

2. DURBAN TURF CLUB – WEIGHT DISPUTE – HIGH COURT JUDICIAL REVIEW OF THE DECISION OF STIPENDARY STEWARDS ON THE HANDICAPPING OF HORSES ENTERED FOR THE "JULY"

3. FREIGHT FORWARDING ASSOCIATION VS TRANSNET (APPEAL COURT) – THE IMPLEMENTATION OF AN ARBITRATION AWARD AND THE APPLICATION OF THE PRINCIPLES OF GEIS

4. DORBYL VS DTI (APPEAL COURT) – THE IMPLEMENTATION OF AN ARBITRATION AWARD AND THE APPLICATION OF THE PRINCIPLES OF GEIS

5. INTERSHORE VS DEPARTMENT OF TRADE AND INDUSTRY (APPEAL COURT) – THE CALCULATION OF GEIS AND THE VALUE OF OIL RIGS EXPORTED TO ANGOLA.

6. ILEMBE CONSORTIUM VS DUBE TRADEPORT AND ACSA (ONGOING) – JUDICIAL CHALLENGE TO THE IMPLEMENTATION OF A TENDER
The Evaluation of Operational and Administrative Procedures of Health Care Waste Management in Public District Hospitals of South Africa

Sipho Vumase
Chief Executive Officer
Manguzi Hospital

Full names: Sipho Bongane Vumase
Birth date: 29 October 1962
Place of birth: Kosi Bay, KZN, RSA

Qualifications (Highlights)
- Grade 12, 1983 Shayina High School, KZN, SA
- Diploma, General Nursing, 1988
- Diploma, Midwifery, 1990
- Diploma psychiatric Nursing, 1992
- Diploma Rural Development, UNISA, 1996
- Degree, BA Cur, 1997
- Degree, Master in Business Administration (MBA), 2007

Work experience (Highlights)
- Regional AIDS and TB Coordinator (Umkhanyakude District), 1998 - 1999
- Project Manager for PMTCT (University of KwaZulu Natal), 2000-2002
- District Health Programmes Manager (Umkhanyakude), 2002-2004
- Hospital Manager, eDumbe CHC (Paulpietersburg) 2004-2006
- CEO, Manguzi Hospital, KZN, 01 March 2006 to date

Involvement in Health Care Waste Management
- was a generator for health care waste (10 years) as a practicing professional nurse in general and surgical wards of a district hospital
- established health care waste committees in eDumbe CHC and Manguzi Hospital
- developed health care waste institutional circulars in eDumbe and Manguzi Hospitals
- Chairperson of Manguzi Hospital health care waste committee
- Member of Umkhanyakude District Health Care Waste Forum
- Currently, a Doctoral of Technology candidate, specializing on Health Care Waste (finalizing a dissertation titled “evaluation of operational and administrative procedures of HCW management in Public District Hospitals of South Africa”
The Evaluation of Operational and Administrative Procedures of Health Care Waste Management in Public District Hospitals of South Africa

Sipho Vumase
Chief Executive Officer
Manguzi Hospital

S Vumase (Doctoral candidate DUT), Dr M de Beer, Ms June Lombard

The general consensus amongst most researchers are that hospitals do not have enough capacity in terms of HR and material resources to mitigate health care waste (HCW) problems (Gabela, 2007; African Bank, 2005; and Moran, 2006). This problem has been identified by academia and it is also a focus of various articles of South African origin (DACEL 2005:8; Gabela, 2007:18; and Bent, Rogers, Simane, and Rohwer, 2007:11).

The problems relating to HCW management (HCWM) are ongoing, with no apparent breakthrough in spite of the studies carried out (DACEL, 2005; Fischer, 2006; Moran, 2006; and Gabela, 2007). In the pilot and mini-research studies conducted by the above authors, the respective HCWM problems found was almost similar. The most common challenges according to African Bank (2005:14) were lack of (HCW management) guidelines; lack of information and consistency through out the Provinces on HCW management capacity to implement health care waste management practices; uncoordinated practices in the treatment and disposal of HCW; lack of clarity with regard to roles of hospital management; and absence of models to epitomize HCW best practice.

Whereas other Provinces such as Mpumalanga and Western Cape (DACEL, 2007:10-11), have already piloted HCW Waste Information Systems (WIS), DANIDA (2006) anticipates that WIS website roll out to other provinces could be thwarted by insufficient capacity and maintenance costs. This implies that commitment and attitudes of provinces in the implementation of the WIS would be a factor in its implementation.

In the Zeerust rural HCW project, the suitability of a low technology waste collection system was evaluated for collecting waste from rural clinics and hospitals, using one of the local hospitals as the site for a transfer facility (DEAT, 2006:14). One of the key findings of this study was the importance of the institutional capacity and management aspects around HCW systems.

On the basis of the above challenges, HCWM in the Public District Hospitals of South Africa (PDHSA) needs to be evaluated in terms of administrative and operational procedures in order to epitomize best HCWM model for PDHSA.

The objective of the proposed study is to critically evaluate the operational and administrative procedures of HCW Management. The HCW collection, transportation, treatment and disposal, organizational structures and personnel employed, capacity building and awareness raising, as well as the information systems used in the PDHSA will be examined with a view to building a model for...
the optimization of HCWM on a best practice basis. This paper will discuss the
approach and methodology of a proposed study that will evaluate the HCWM
practices in 3 public District Hospitals in each of the nine (9) Provinces of South
Africa.

Analyzing the Risks Involved With Generators Not Taking Up the
Responsibility of Proper Waste Segregation

Janet Magner  
Director  
Magallan Risk Services

Janet Magner is an Occupational Health, Safety and Environmental Specialist
with a National Diploma in Safety Management (NADSAM) cum laude in 1995. She has completed many other short training courses with NOSA, attaining the Safety Management Training qualification (SAMTRAC) in 1993. During this year she also completed the Advanced Risk Management course with the Chamber of Mines. In 1998 she completed an Occupational Hygiene – Legislation course with the Pretoria Technicon.

Janet has had more than 15 years experience in Occupational Health, Safety and Environmental Management in both industry and healthcare. She has specialised in the development and implementation of integrated management systems that cover all aspects of Occupational Health, Safety and environmental risk management. In her capacity as Safety, Health and Environmental Manager for Afrox Limited she was extensively involved in the collation of statistics on incident reporting and analysis of incidents for both the industrial and the health care sections of the corporation. She has been involved in many investigations into the causes of incidents during her career.

Her more recent experiences in development work for projects such as Sustainable Health Care Waste Management in Gauteng and the Solid Waste Management Strategy for Swaziland has given her valuable insight and experience in health care waste management. Janet is a member of the Waste Management Institute and the current Chairperson for the Health Care Waste Forum Southern Africa

Mike Smith  
Microbiologist & Academic

Mike Smith received his M.Sc. cum laude and his Ph.D. in 1987 at University of Natal, Durban. For that work he received the South African Association of Botanists Bronze medal for the best Ph.D. He has been on the teaching and research staff of the University for over 35 years, and retired as a Professor from the University of Kwa-Zulu Natal at the end of 2008.

During those years he taught a wide range of subjects in the biological sciences. He has expertise in the fields of environmental microbiology, pollution biology, biochemistry, plant physiology, analytical techniques and light and electron-microscopy. He has taught courses in plant and animal responses to disease; stress tolerance in plants, and bioprocess engineering. His most recent teaching was an applied cell biology for environmental engineers (run for civil engineers), and a course in pollution and remedial Biology.

He was a member of the Pollution Research Group at University of Kwa-Zulu Natal for five years before his retirement, and he and his co-workers were involved in collaborative research with the eThekweni Municipality and the Swedish Institute for Infectious Diseases in Stockholm on water and sanitation issues, especially the establishment of parasite loads in waste.
He has over 52 conference contributions to his credit both local and international, three book chapters and over 50 peer reviewed publications. He describes his hobbies as “vermiculture, water conservation, grey water re-use, gardening, classical music, whisky and red wine – and not necessarily in that order”.

**Pharmaceutical Waste in a Community Pharmacy**

**Johan Bothma**  
Executive Director  
CPS

**DATE OF BIRTH** : 9 August 1949  
**BIRTH PLACE** : Koster  
**MARITAL STATUS** : Married to Daleen. Four children: Abri, Rianda, Gerhard and Nadia.

1. **ACADEMIC HISTORY**  
   - Matriculated at Hoërskool Koster  
   - Obtained B.Sc. (Pharm.) from Potchefstroom University in 1974.

2. **EXPERIENCE**  
   - Worked as teller in First National Bank  
   - Drug Wise Counsellor  
   - Completed the following courses successfully:  
     - Family Planning  
     - Cholesterol  
     - Asthma  
     - Immunisation  
     - Emergency medical assistant  
     - Dermatology  
     - Managing Director of Trust Pharmacy from 1976 to 2005  
   - Executive Director of CPS of PSSA (2005 to date)

3. **PROFESSIONAL ACTIVITIES**  
   - Board member of PSSA (Southern Gauteng Branch)  
   - Chairman of SAACP Southern Gauteng Branch from 1994 – 1995  
   - Member of the Gauteng Forum for Pharmacists  
   - Member of the Kempton Park Health Forum  
   - Vice-President of SAACP National (1995 - 1997)  
   - President of SAACP (1997 – 2000)  
   - Established the CPS Waste Management Network 1 May 2008  
   - Presentation on Pharmaceutical Waste Management at SAAHIP Conference – 2-5 April 2009

4. **COMMUNITY SERVICE**  
   - Acted as Board Member and Member of the Rapportryers  
   - Vice-Chairman of the Government Body of the Hoërskool Birchleigh (responsible for the promotion of parent and community involvement. Chairman of Sport and Cultural Committees promoting sport and culture in school and the broader community)  
   - Member of the Gideons S.A.  
   - Guest speaker at WAU, schools, church groups, day-care centres, ATKV on the following topics:  
     - sport related injuries  
     - use of drugs in sport  
     - use of drugs in general  
     - correct use of medication  
     - supplementary medicine in human wellness  
     - training of manufacturers representatives
Waste Track and Trace - Health Care Waste Statistics at your Fingertips

Brian Delcarme
Senior Lecturer and Researcher
Cape Peninsula University of Technology

Brian Delcarme has extensive qualifications, experience (+20 years) and skills in environment and health issues, sustainable development, teaching, project management and research. My career started off as a clerk in 1978 and progressed to being a Project Director, lecturer and researcher at the Cape Peninsula University of Technology.

Formal tertiary qualifications:
- National Diploma and Higher Diploma in Public Health: Peninsula Tachnikon, Bellville, Cape Town.
- Bachelor of Administration: University of the Western Cape, Bellville, Cape Town
- Master in Intercultural and International Management (Sustainable Development and Training): School for International Training, Vermont, USA
- Master of Environmental Management: Griffith University, Brisbane, Australia
- PhD Candidate, University of Cape Town (UCT): “Institutionalising Waste Management Information Systems”

Research Activities:
- 2005 -2006: Principle researcher “ Developing and Implementing Preventative Strategies that will Ensure Safe Water Delivery to the Overberg Region” National Research Foundation Project: TRD 2004082000013
- 2005-2006 : Principle researcher “ Food Hygiene and Sanitation for Informal Meat Trading in the Klipfontein District of the City of Cape Town”
- 2003 –2006 : Co-researcher “ The evaluation and selection of small water treatment systems for potable water supply to small scale communities” WRC Project K5/14443
- 2002-2003 : Co-researcher “Guidebook to Alternative small scale desalination technologies for potable household water augmentation in South Africa” K5/1228/0/1
- 2001: Co-Researcher: “Fair Allocation of Resources for Community Development” SANPAD project in collaboration with Stellenbosch University & UCT

Publications and Conference Presentations:


Case study: The Challenges and Solutions for HCWM in a Rural Setting

Marius Johann Greyling was born in Johannesburg on the 4th February 1956. He completed my school education in Germiston and wrote his Matric exams at Goudrif Hoërskool in 1973. Thereafter he was in the army doing two years military service. In 1976 he enrolled at the then Witwatersrand Technicon for advance education doing my national diploma in public health and later the national higher diploma in public health. He started his career in 1979 at the peri urban board as a health inspector. Thereafter he moved to Bedford view municipality and Springs town council.

In 1994 he was appointed as chief environmental health practitioner in the Zeerust sub district of the north west department of health.
Summit Session 4
Conclusive Open Discussion

Feedback, Suggestions, Comments and Action Plans

Session Led by:

Mbaweni Manqele
Director
Duyaze Environmental Consultancy

&

Janet Magner
Chairperson : The Health Care Waste Forum Southern Africa

- Linking Governmental action plans and strategies with Service Provider’s planning and objectives
- Developing partnerships between government and the HCW Industry to ensure compliance and good governance
- Action plans for creating better segregation at source
- Strategies for capacity building at all levels
- Creating learnerships for accredited training
6. Abbreviations

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<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>AD</td>
<td>Assistant Director</td>
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<tr>
<td>APPA</td>
<td>Atmospheric Pollution Prevention Act</td>
</tr>
<tr>
<td>CPD</td>
<td>Continued Professional Development</td>
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<tr>
<td>DAEA</td>
<td>Department of Agriculture and Environmental Affairs</td>
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<tr>
<td>DEAT</td>
<td>Department of Environment, Agriculture and Tourism</td>
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<td>DD</td>
<td>Deputy Director</td>
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<td>DoH</td>
<td>Department of Health</td>
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<td>DoL</td>
<td>Department of Labour</td>
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<td>DWAF</td>
<td>Department of Water Affairs and Forestry</td>
</tr>
<tr>
<td>CEO</td>
<td>Chief Executive Officer</td>
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<td>Zumble</td>
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<tr>
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<tr>
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<tr>
<td>Mr</td>
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<td>Mrs</td>
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<tr>
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<td>Ms</td>
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Mr Jan van der Berg  Compass Waste  Dr Ruth S Mompati District Municipality (Vryburg)  Regional Manager - Gauteng  Delegate
Mr Christiaan Oosthuizen  Compass Waste  Dr Ruth S Mompati District Municipality (Vryburg)  Official  Delegate
Mr Danie Ferreira  Compass Waste  Dr Ruth S Mompati District Municipality (Vryburg)  Waste Manager  Delegate
Mr Bernard Luyiga  Kampala City Council (Uganda)  Councilor  Delegate
Mrs Lucy M Mpanga  Kampala City Council (Uganda)  Councilor  Delegate
Mr Takan David  Kampala City Council (Uganda)  Council Clerk  Delegate
Mrs Ann Oosthuizen  The Institute of Waste Management  Forum Secretary  Delegate
Mrs Gail Smit  The Institute of Waste Management  Office Manager  Delegate
Mrs Makkie van der Merwe  GAFA  Nursing Services Manager  Delegate
Mr Istvan Blasko  Howden Africa  Howden Projects General Manager  Delegate
Mr Vischal Rambridge  Howden Africa  Howden Projects Applications Engineer  Delegate
Mr Kudzai Nyangoni  Howden Africa  Howden Projects Managing Director  Delegate
Mrs Sello Itumelang  NHLS  Health and Safety Officer  Delegate
Mrs Archie Kambi  Amatole District Municipality (East London)  Assistant Director  Delegate
Mr Errol Staude  Sterifant  Assistant  Delegate
Mr Andrew G Magashula  John Snow INC (Botswana)  Waste Management Advisor  Delegate
Mr Jimmy T Mmolawa  Government of Botswana  Principal Environmental Officer  Delegate
Mr Bronwen Cornelsen  DTEC (Department of Tourism, Environment and Conservation)  Principal Environmental Officer  Delegate
Ms Martha Molokwane  DTEC (Department of Tourism, Environment and Conservation)  Senior Environmental Officer  Delegate
Ms Lerato Mokhoantle  DTEC (Department of Tourism, Environment and Conservation)  Principal Environmental Officer  Delegate
Mrs Dineo Nkosi  DTEC (Department of Tourism, Environment and Conservation)  Senior Environmental Officer  Delegate
Mrs Agnes Mekgwe  DTEC (Department of Tourism, Environment and Conservation)  Principal Environmental Officer  Delegate
Mr Nir Dishon  Istromdent (Pty) Ltd  Service Manager  Delegate
Mr Khutjo Maepa  Tshumisano Waste Management  Co-ordinator  Delegate
Mr Moton Hubbe  Eden District Municipality  District Waste Management Coordinator  Delegate
Mrs Nomcebo Mvelase  Groundwork  Health Care Waste Campaign Manager  Delegate
Mr Clifford Durrheim  Aids Medical Waste  Delegate
Mr Simphiwe Madondo  Dept of Health : Community Health Services  Manager  Delegate
Mr Boithomelo Xulu  Dept of Health : Community Health Services  SEHP  Delegate
Mrs Bokang Motlhwane  OCSA  Regional Manager  Delegate
Mr Neville Smith  Pikitup (Pty) Ltd.  Executive Disposal  Delegate
Mr Koos Seodisa  Pikitup (Pty) Ltd.  Acting Manager : Incinerator  Delegate
Mr Hendriko Veldman  City Council of Tlokwe  Assistant Manager  Delegate
Mr Lukas Esterhuizen  City Council of Tlokwe  Superintendent  Delegate
Mrs Michelle Morgan  NHLS  OHS  Delegate
Mrs Jean Lindsey  WBSSA - Wildlife Society  Member  Delegate
Mrs Princess Pholadi  Edenvale Hospital  Profesional Nurse  Delegate
Mrs Christi Kloppers  Provincial Dep of Agriculture : Western Cape  Acting Deputy Director : Food Safety  Delegate
Mr A Bhengo  DAEA  SEO  Delegate
Mr Bheki Ntsalintshali  DAEA  SEO  Delegate
Miss Kedibone Setsiba  Clayton House  OHS Particioner  Delegate
Ms Stephani Swartbrook  Mills & Otten Environmental Consultants  Delegate
Ms Qondiswa Mwandla  DAEA  Assistant Manager  Delegate
Mr Erenst Mpungose  DAEA  Senior Environmental Officer  Delegate
Mrs Zamangwane Dhlamini DAEA  
Mrs Engie Sefume Steinmed  
Mr Ebrahim Chopdat Steinmed  
Mrs Patricia Weaver Health Care Waste Specialist  
Mr Mxolisi Lutumbo  
Dr Freedom Sibaya Igagasi  
Mr Skhumsozo Mathe Igagasi  
Mr Hendrik Kruger Psychem Waste Solutions  
Mrs Suzette Hartmann Psychem Waste Solutions  
Mrs Sonja Plekker  
Ms Cecilia Woker SABS  
Ms Razja Malick SABS  
Ms Mpho Sebole DEAT  
Dr Shuana Costley DEAT  
Mr Parbhu Dilip CWM  
Mr Segone Joshua CWM  
Mr Andries Chaane Tshepong TB Hospital  
Mr Dorcus Maile Tshepong TB Hospital  
Miss Johanna Mogetsi Johannesburg Hospital  
Miss Muriel Mthimkulu Johannesburg Hospital  
Mr Nelson Sibaya Johannesburg Hospital  
Ms Khululwe Kunene DAEA  
Mr Pine Pienaar Dynamic Enviro Clean  
Mrs Kitty Williamson Dynamic Enviro Clean  
Mrs Pamela Gordon Choice Decisions 1184  
Mrs Martha Mosiane JSI / MMIS  
Mrs Heidi Ford Wasteman Healthcare  
Mrs Julie Venter Compass Waste  
Mrs Sonia Simon Buckley Flange & Steel  
Ms Alicia Fourie Enviro Medical Waste Services t/a Siyandisa  
Mr Chris Porter Enviro Medical Waste Services t/a Siyandisa  
Dr Zola Mbovani Sharp Move t/a Premier Waste Operations  
Mrs Kelly Powell Daniels Sharpsmart Compass  
Mr Mariska Pieterse Howden Africa  
Mr Nkululeko Makhunga Tshumisano Waste Management  
Mrs Yvette Retief Psychem Waste Solutions  
Mr Sipho Vumase Manguzi Hospital  
Mr Frank-Michael Phieler Sterifant  
Mrs Janet Magnier Chairperson  
Mrs June Lombard Icando  
Mr Terry Grimmond The Daniels Corporation  
Mrs Jackie Wittuhn Talking Health  
Mr Maruis Greyling Department of Health: Northwest Province  
Mr Brian Delcarme Cape Peninsula University of Technology
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<td>Mr Edgar Adams</td>
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<td>Solid Waste Technologies</td>
<td>Managing Director</td>
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<td>Mr Ludwig Hartmann</td>
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<td>Psychem Waste Solutions</td>
<td>General Manager</td>
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<tr>
<td>Mr Ian Du Randt</td>
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<td>Compass Waste</td>
<td>Managing Director</td>
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<tr>
<td>Mr Pit Suessmann</td>
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<td>Sterifant</td>
<td>Principal</td>
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<tr>
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<td>Psychem Waste Solutions</td>
<td>General Manager</td>
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<tr>
<td>Mr Colin De Bruyn</td>
<td></td>
<td>Grundle Geosynthetics</td>
<td>Technical Sales Director</td>
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<td>Mr Henco Werdlich</td>
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<td>Operations Director</td>
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<tr>
<td>Mr Wladyslaw Cisak</td>
<td></td>
<td>Kemtek</td>
<td>Account Manager</td>
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<tr>
<td>Mr Nicholas Hean</td>
<td></td>
<td>PailPac (PTY) Ltd</td>
<td>Account Manager</td>
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