

CLEANER & GREENER



INCINERATOR
COMPANY

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I. Executive Summary

1.1. Objectives

Safe Waste Incinerator Company 'O was established in Tanzania in 2010 in response to the escalating environmental impact of poor handling and management of all waste including that generated by the Health Care, Agro-industry, Mining and Exploration Industries as well as General Industry.

The objective of the firm is to partner the Industry with managed, approved and technically advanced Integrated Waste Management Solutions.

To that end we are committed to the improvement of not just the systems used but to the education of those who handle waste in any of its forms.

1.2. Mission Statement

To offer Integrated Cost Effective Waste Management Solutions to all sectors of the Tanzanian market.

To maintain or exceed minimum standards and uphold all laws relating to the management and destruction of general, hazardous and toxic waste, in an environmentally sound manner, as prescribed by the Environmental Council of Tanzania.

To enter into and maintain sustainable partnerships with our customers by ensuring we meet their Waste Management Goals and Expectations.

OUR FIRM'S MAIN OBJECTIVE

“
The objective of the
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”



2. Company Summary

COMPANY PROFILE 3

2.1. Company Ownership

Safe Waste Incinerator Company Limited is a privately owned entity Registered and Domiciled in Tanzania.



2.2. Company Locations and Facilities

Administrative Office: Plot No 1387, Masaki, Dar es Salaam

Incinerator Location: Mkuranga Industrial Zone ,Dundani



3. INDUSTRY ANALYSIS

Waste is defined as liquid, solid, contained gas, or sludge wastes with contain properties that may be dangerous or potentially harmful to human health or the environment. These include:

- Materials spilled, lost or having undergone other change
- Process Residues
- Substances that no longer perform satisfactorily
- Unusable parts, equipment or materials
- Any material that is disposed of, involving burning and incineration, accumulation, storage or treatment, prior to disposal.

Health Care Industry

The underlying principal in the management of health care waste is that only those who generate the waste should handle it. Thus once the waste has left their hands, it must be placed in a container or liner that prevents exposure to others, both on and offsite.

To this end we educate the current health care providers in the correct methods of segregation, containerization and storage prior to our removal and transport of waste to the incinerator site. Suitable receptacles are provided.

Integrated Waste management is vital in the Health Care Industry as poor management exposes health care workers, waste handlers, and the community to infections, toxins and injury.

Integrated Waste Management System results in:

- Reduced damage to the environment.
- Reduced opportunities for the collection and re sale of used medical equipment/ consumables e.g. syringes.
- It assists in the control of nosocomial diseases (hospital acquired infections).
- It can dramatically reduce HIV/AIDS, sepsis and hepatitis transmissions from dirty needles and other improperly cleaned/disposed medical items.
- It can eliminate cycles of infection, complementing the benefits of other hygiene procedures.

Mining Industry, Agro-Industry, Petrochemical Industry

These sectors are significant generators of waste in both production and processing. As well as the social (human) impact on surrounding communities these waste products may have a profound impact on the environment and their managed disposal is vital.

General Waste / Security

All industries and businesses in general, generate as a consequence of daily operations material that for reasons of security or waste management need to be disposed of in a controlled manner. This includes products that maybe considered hazardous in terms of legislation and world practices, i.e. cleaning products, chemicals, pesticides ETC.

Or

Items which have no inherent waste management requirements but for reasons of security require managed disposal policies. Safe Waste is able to offer practical and verifiable solutions to both requirements.



Summary

Good housekeeping or sound procedural practices play a considerable role in controlling waste at source.

The site is managed with due regard to environmental issues and the necessary security is maintained at all times. Secure stores have been established to handle high value and sensitive products such as expired pharmaceuticals (both veterinary and human), business sensitive documents, and other high value commodities.

Correct methods of “blending” materials of different calorific value will be adhered to in order to ensure clean air emissions from the chimney.

4. TECHNOLOGY & SERVICES

Safe Waste Incinerator Company Limited offers an Integrated Waste Management System across all industries

4.1. Technology

The Big incinerator is a “state of the art” box furnace designed in the Netherlands and built in South Africa with a 600kg/hour capacity to burn class 3 / 4 pathological waste.

It is fired using 2 Lamborghini 330kw/h diesel burners with electronic temperature control from 0 to 1400 degrees Celsius. The chimney stack includes a 1500mm reaction chamber integrated within the main tower complete with two air plenums and another Lamborghini 330kw/h afterburner .

The small incinerator was designed in the UK with a 300kg per hour capacity of burning. It is fired using 2 burners.

4.2. Services

As an added value we are able to offer a consultancy service to any institution, whose reach maybe beyond our capabilities and that may require their own plant. This will include a full survey of current output, supply of consumables and installation, commissioning and training on the most suitable equipment which is available in diesel, electric or gas fired burners or combinations of different fuel options.

We also offer Glass and Plastic crushing Services



4.3. Chemicals, Oils and hazardous waste generated by the construction industry and manufacturing sector

Safe Waste Incinerator Company Limited works to ensure that the highest levels of professional services are offered at all times and to remain compliant with all local and international regulations as well as the Environment Act of Tanzania. All our means of waste management are safe to the community and the environment since we practice waste reduction, re-use, recycling and disposal at the highest professional level.

Considering the level of risk posed to the public and the environment at large, management of healthcare, chemical and other hazardous waste need appropriate mechanisms, technical expertise and with high level of care.

SWICL has a state of art, well-designed hazardous waste treatment plant to deal with different types of hazardous waste including expired chemicals and waste oil. We have different treatment options including incineration, encapsulation, bio-degradation, stabilization and aeration. We also have professional skilled personnel with experience in taking care of those hazardous waste to the levels that does not harm the environment and the public health.

We are operating within standards set up by all National and International regulations. Our operations are performed under strong supervision of the National Environmental Management Council, the Government Chemical Laboratory Agency, Occupational Health and Safety agency, the fire control unit, District Health and Environment Officers and Local Government Authority and witnessed by our the respective clients.

4.4. Social Responsibilities

SWICL will always do what it can to give back to the community. We been involved in many projects within our local area, such as our most recent project where we donated tables and chairs to a nearby school, Dundani School.



5. CLIENTS & CERTIFICATIONS

5.1. List of current clients.

JHPiego	Laborex (T) Ltd
Samiro Pharmacy	Tanzania Crop Care (T) Ltd
Bahari Pharmacy	Jilichem
J. D. Pharmacy Ltd	Shrinilai Generics Ltd
Marie Stopes	Abacus Pharma Ltd
Twiga Chemicals Ltd	TMDA
TFDA	GCLA
Tigo Ltd	Zantel
Indepth Laboratories Ltd	Melodie Pharma
Suma JKT	Kas Medics
AAR healthcare	Heritage Insurance
AON Insurance	Reddy's Pharmacy
Planet Pharmacy	Ifakara Health Institute
Phillips Pharmaceuticals	Phillips Distributors
Vital Supplies	Eltel Tanzania Ltd
Mansoor Daya	Crown Healthcare Ltd
T-Marc Ltd	Harleys Ltd
Bariki Pharmacy Ltd	Sciex
Henry Jackson Foundation	Kas Medics
Okinawa Pharmacy	Seifi Impex
Muhimbili Hospital	Muhimbili Orthopaedic Institute
Temeke Referral Hospital	International School of Tanganyika
DUCE	Hubert Kairuki Memorial University
Hester Biosciences TZ Ltd	Ako Group Ltd

5.2. Contracted arrangements:

Africa Healthcare Network	Regency Medical Polyclinic
Shree Hindu Mandal Hospital	Kairuki Polyclinics
Kairuki Hospital	Shree Hindu Mandal Polyclinic
Massana Hospital	

5.3. CERTIFICATIONS

Our company is committed to professionally maintain the highest standards of service provision to our customers by adhering to the disposal guidelines set by regulatory authorities. We are proudly recognized and certified by all the domestic regulatory authorities, ensuring that our services meet rigorous standards of proper disposal of environmentally harmful and bio-hazardous waste. These certifications reflect our dedication to keeping the environment clean, safe and sustainable.



THE UNITED REPUBLIC OF HEALTH
MINISTRY OF HEALTH



ENVIRONMENTAL HEALTH PRACTITIONERS COUNCIL



Certifications available on request.

For more information visit: www.safewaste.co.tz

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