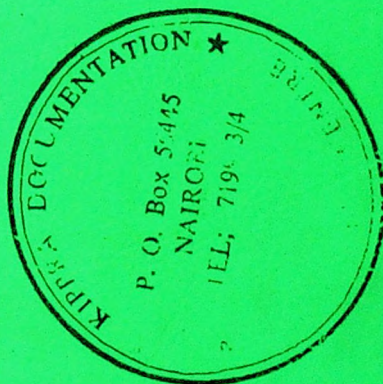


NAIROBI CITY COUNCIL



DEPARTMENT OF ENVIRONMENT

POLICY ON PRIVATE SECTOR INVOLVEMENT IN SOLID WASTE MANAGEMENT



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DATE 18/12/2006

S.W. OPIYO, ^{MBS}
DIRECTOR OF ENVIRONMENT

DECEMBER, 2001

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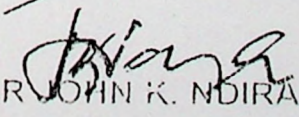
FOREWORD

Rapid urbanization and the associated growth of industries and services is a key feature of economic and demographic development in the developing countries. Cities are currently absorbing two thirds of the population increase throughout the developing world. One of the most significant environmental consequences of urbanization is the amount of solid waste generated.

Nairobi with a population of approximately 2.2 million people generates about 1600 tons per day of solid waste, representing 0.72 Kg per capita generation each day. This figure covers roads, residential, commercial and industrial premises. This volume has fast outstripped the ability of the city council to collect and dispose of in a safe and efficient manner. In order to improve on the current situation, the Council has decided to work in partnership with the private sector and Community Based Groups in the management of solid wastes in the city. This is a worldwide practice, which has been attributed to healthy competition and efficiency. It is also a strategy for poverty alleviation programme in our country today.

This policy seeks to define a systematic approach and framework within which the private sector shall operate. It will formalize and regulate waste management services so as to provide an enabling environment to waste operators, and at the same time the operators shall be expected to comply with the Environmental Management and Co-ordination Act, 1999 and other laws and regulations.

In view of the foregoing, and Nairobi being our Capital City, and a leading commercial centre in Eastern and Central Africa, my appeal to the private waste operators and the public at large is to give the policy the support it deserves. We are all entitled to a clean, healthy and aesthetically acceptable environment. Let us safeguard and enhance it!


CLLR JOHN K. NDIRANGU
MAYOR - CITY OF NAIROBI

WORD FROM THE DIRECTOR OF ENVIRONMENT

Stakeholders in Waste Management;

This is an initial document towards achieving an integral and sustainable solid waste management system in the city. Your cooperation is imperatively an integral component in the review of this document. We welcome your input in improving the regulations and operations in waste management.

For more information please contact:

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REFUSE:

TRANSPORTATION:

DEFINITION OF TERMS AND ABBREVIATIONS

- N.C.C:** means the Nairobi City Council
- TOWN CLERK:** means the person for the time being holding the office of the Town Clerk of Nairobi City Council.
- DIRECTOR OF ENVIRONMENT:** means the person for the time being holding the office of Director of Environment of Nairobi City Council or his representative appointed by him to act on his behalf.
- PRE-TREATMENT:** means the physical, thermal, chemical, or biological process, including sorting and / or any other process aimed at changing the characteristics of waste in order to reduce its volume or hazardous nature, facilitate its handling or enhance recovery.
- OPERATOR:** means the natural or legal person responsible for solid waste management in accordance with the City By-Laws or Central Government Legislation.
- SOLID WASTE MANAGEMENT (SWM):** means the entire cycle of waste generation, handling, storage, collection, transportation, treatment and its final disposal.

- REFUSE:** means waste, worthless material and/or a collection of litter.
- TRANSPORTATION:** means the removal and carriage of waste in a conventional and prescribed manner under governing laws, by-laws and regulations.
- COLLECTION:** means the removal of refuse from place of origin and transportation to point of disposal.
- DISPOSAL:** means the biochemical, thermal and other physical means of waste disposal without creating nuisance or hazard to public health or the environment.
- HAZARDOUS WASTE:** means waste which is toxic or dangerous to public health and the environment.
- PRIVATE SECTOR INVOLVEMENT (PSI):** means the incorporation of private entities through a policy in the provision of solid waste management services to the public.

1.0 POLICY ON PRIVATE SECTOR INVOLVEMENT IN SOLID WASTE MANAGEMENT

1.1 POLICY STATEMENT

The Nairobi City Council shall allow Private Sector Involvement in the management of solid wastes within its areas of jurisdiction.

1.2 POLICY GUIDELINES

The following policy guidelines shall apply:-

- 1.2.1 These policy guidelines shall be administered by the Town Clerk or on his behalf by the Director of Environment
- 1.2.2 In case of any radioactive waste, the generation, handling and disposal shall be authorized and supervised by the Radiation Authority in the Ministry of Health in liaison with Nairobi City Council.
- 1.2.3 In case of toxic waste, the necessary pre-treatment shall be done by the producer or by the licensed private collector before disposal into the designated disposal or transfer site.
- 1.2.4 For clinical and pathological waste, handling and transporting shall be done by specialized companies and disposal shall be by incineration, or by burying in designed and constructed underground pits, approved by the Ministry of Health in liaison with N.C.C.
- 1.2.5 Disposal of waste shall only be done in designated disposal sites or as directed by the Town Clerk or on his behalf by the Director of Environment.
- 1.2.6 All private operators in solid waste management shall be licensed in accordance with stipulated regulations.

- 1.2.7 All private operators shall appoint qualified operations Managers as approved by the Director of Environment.
- 1.2.8 The council shall be the overall supervising authority in handling, transportation and disposal of all generated waste within its area of jurisdiction.
- 1.2.9 All transfer stations and disposal sites shall be subjected to an Environmental Impact Assessment in accordance with the Environmental Management and Co-ordination Act, 1999.

2.0 LICENSING POLICY AND REGULATIONS

All companies shall pay the license fees to the Council in accordance with their classification and category as advised by the Director of Environment.

2.1 Categorization of wastes collectors.

2.1.1. Specialized Company – category “A”

Means any company specialized in clinical or toxic waste collection, transportation and disposal. Such company shall engage qualified staff and appropriate equipment in the handling, transportation and disposal of the said waste. Such company shall also be qualified to handle other general wastes.

2.1.2. General waste collectors – category “B”

Means any company qualified to handle non-toxic, industrial, commercial and domestic waste.

2.1.3. Small waste collectors – category “C”

Means small scale solid waste collectors with small equipment like pick-ups, handcarts etc. These shall only qualify to collect and transport domestic and commercial waste. These categories of operators will only operate in **specified areas** as approved or directed by the Director of Environment.

2.1.4. All companies contracted by Nairobi City Council to collect and transport solid waste for disposal shall be deemed to belong to category “A” for purposes of licensing.

2.1.5. Individual Refuse Generators.

Means individual refuse generators who handle and transport their generated waste to designated disposal sites for disposal.

These include individuals, companies and institutions. The category of the license will be determined by the Director of Environment based on quantity and classification of waste.

3.0 REGULATIONS

3.1 The Private Waste Operator shall be legally registered.

3.2 The operator shall supply the City Council with a copy of certificate of registration.

3.3 Toxic and hospital wastes shall be handled by specialized companies, which shall have qualified staff. The operator shall apply specific ways and means in collecting, handling, transporting, pre-treating and disposing of waste. Vehicles carrying such waste shall be distinctively marked “Hazardous Waste”.

- 3.4 All waste transportation vehicles shall be suitably covered to avoid spilling on the street during collection and transportation.
- 3.5 The vehicles, equipment and other related machinery used by the operator shall be inspected and approved by the Director of Environment or his representative during operation or before commencement of operations.
- 3.6 The operator shall keep a register indicating waste collected and areas covered including evidence of proper disposal of the same for inspection by the Director of Environment.
- 3.7 The vehicles and equipment used by the operator for the purpose hereof shall have an identification number allocated by the Director of Environment and the same shall be clearly and conspicuously inscribed on the body of the vehicle.
- 3.8 Containers and waste handling facilities used shall have the company logo clearly and boldly inscribed.
- 3.9 The driver shall have a clean driving license and the vehicle shall be licensed by the registrar of Motor vehicles.
- 3.10 The vehicles shall be maintained in a clean state at all times.
- 3.11 Staff engaged in solid waste management services shall have appropriate protective clothing while on duty.
- 3.12 The operators shall pay to the Council tipping charges based on the quantity and classification of waste.
- 3.13 The operator shall dispose of wastes at designated sites only or at points approved by the Director of Environment.

ANNEXES

**ANNEX 1: NCC GUIDELINES TO PRIVATE SECTOR INVOLVEMENT ON
SOLID WASTE MANAGEMENT.**

1. PERSONNEL

Solid waste management managers shall possess the following qualifications or discipline:

- Environment/public health sciences
- Environment sciences/minimum diploma certificate
- Solid Waste management – minimum certificate course.

In addition they should have business administrative background. Companies must also engage a health work-force/staff.

2. VEHICLES/EQUIPMENT

Besides the manufacturer's standard specifications, the following specifications shall also apply:

- The vehicle/equipment shall be complete with all fittings and fully operational in every aspect with the requirements of the Traffic Act and any other law in order to run on public highways.
- The vehicle/equipment shall be complete with a set of standard tools and equipment required for all routine maintenance and operations.
- The container mounting carrying the waste shall be uniformly distributed along the whole vehicle chassis and securely separated from the driver's cabin and engine system. It must be of robust material.
- The exhaust system must be strategically positioned and directed.
- The vehicle/equipment must have a fire fighting equipment.
- The internal coating of the container must withstand corrosion by use of appropriate non-toxic protective paints e.g. bituminous paints. Accessories, including the body finish and workmanship are subject to the D.O.E's approval.

- The capacity recommended for the vehicles (tippers, flat-beds, side-loaders) should be 3 ton, 7 ton and 9-10 ton in order to standardize the weight units commensurate with the type of vehicle sizes available in the market.
- The tipping system of the vehicle shall be of hydraulic power taken off the vehicle engine.
- The vehicle body and cabin should bear a clear label of the company's name and logo.

3. CLOTHING

All the staff/personnel engaged in solid waste management shall put on appropriate protective clothing that includes: hand-gloves, over-coats, aprons, overall head-helmets, facemasks and gumboots.

4. COLLECTION FREQUENCY

Shall be:

- (i) At least once a week in house holds.
- (ii) Once a day in markets and restaurants.
- (iii) Hospitals and industrial hazardous shall be collected depending on generation while commercial and industrial general waste depends on volumes.

5. CHARGES

- (i) Households shall be charged between Kshs. 100/= to Kshs. 600/= per month.
- (ii) Charges for hospitals/clinics waste depend on their toxicity, pretreatment, disposal and persistence in the environment,

while general industrial charges depend on the quantity, frequency of collection and transport.

- (iii) Commercial waste shall be charged according to their volumes.
- (iv) Restaurant waste charges shall conform to household charges and minimum of Kshs. 10/= for every 100L container or its equivalent collected.

6. CLEANSING

Shall be done in sanitary hygienic manner with no litter refuse or garbage left about and must be to the satisfaction of the Director of Environment or the designated supervisor.

7. FINANCIAL QUALIFICATIONS

- No record bankruptcy.
- Reputable balance sheet and record of the satisfaction of the relevant authority.
- Value of business handled at any one time should not fall below Kshs. 500,000/=.
- List of tools and equipment to be submitted.
- City council license.
- Name of the Bankers.
- PIN NO.
- VAT registration no.

ANNEXE II: AWARENESS FLYER ON SOLID WASTE MANAGEMENT

“ Keep Nairobi City Clean and Green”

“ It is a duty to all of us: you and me”

City Council Tips

- Educate the public
- Provide waste receptacles
- Collect, transport and disposal of waste
- Involve the private sector
- Enforce legislation of environment
- Assist network and coordinate partnership
- Promote recycling and composting
- Beautify and landscape the city

The Public

- don't throw litter any-howly
- clean up your neighborhood
- educate your next door neighbour to care for the environment
- abide by all environmental laws
- don't foul places
- pay your dues promptly
- avoid excess packaging when shopping
- separate and reduce waste at source
- practice composting.

Nairobi City (you and me) generates, 1.110Kg of waste every minute!!

Source of separation of waste.

“easy to do at home or premise”

- ❖ Waste generated should be separated at source of generation (where they come from).
- ❖ Place each type of waste (paper, plastic, metal, glass or food) in different receptacles, bags or containers.
- ❖ Clean and market the recyclable ones.
- ❖ Practice composting of food, organic and garden Waste.