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THE ENVIRONMENTAL MANAGEMENT ACT  
(CAP. 191)

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**REGULATIONS**

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*(Made under sections 133 (4) and (5), 135(1) and 230(2)(f))*

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THE ENVIRONMENTAL MANAGEMENT (HAZARDOUS WASTE CONTROL AND  
MANAGEMENT) REGULATIONS, 2019

ARRANGEMENT OF REGULATIONS

PART I  
PRELIMINARY PROVISIONS

*Regulation Title*

1. Citation.
2. Application.
3. Interpretation.

PART II  
GENERAL PRINCIPLES

4. Principles.
5. Cleaner production principle.
6. Right and duty to safeguard environment.

PART III  
ADMINISTRATION AND INSTITUTIONAL ARRANGEMENT

7. Functions of Minister.
8. Functions of Director of Environment.
9. Functions of Council.
10. Powers of Environmental Inspector.
11. Duty of local government authority in relation to hazardous waste.

PART IV  
HAZARDOUS WASTE MANAGEMENT AND HANDLING

12. Classification of hazardous waste.
13. Packaging of hazardous waste.
14. Labelling of hazardous waste.

- PART V  
IN-COUNTRY MOVEMENTS OF HAZARDOUS WASTE
15. Permits for in-country management of hazardous waste.
  16. Application for permit to manage hazardous waste.
  17. Requirements for permit to collect hazardous waste.
  18. Permit for collection of hazardous waste.
  19. Conditions for permit to collect hazardous waste.
  20. Application requirements to store hazardous waste.
  21. Permit for storage of hazardous waste.
  22. Conditions for permit to store hazardous waste.
  23. Application requirements of a permit to transport hazardous waste.
  24. Permit for transportation of hazardous waste.
  25. Conditions for permit to transport hazardous waste.
  26. Labelling of vehicle or other means of conveyance.
  27. Application requirements of permit to own or operate treatment, recovery, reuse, recycling or disposal plant or facility or site of hazardous waste.
  28. Permit to own or operate treatment, recovery, reuse, recycling or disposal plant or facility or site of hazardous waste.
  29. Conditions for permit to own or operate treatment, recovery, reuse, recycling or disposal plant or facility or site of hazardous waste.
  30. Validity of permits for in-country movement of hazardous waste.
  31. Offences relating to in-country movement of hazardous waste.

PART VI  
TRANSBOUNDARY MOVEMENT OF HAZARDOUS WASTE

32. Focal point and competent authority.
33. Application requirements of export permit of hazardous waste.
34. Export permit.
35. Conditions for export permit of hazardous waste.
36. Application requirements for import permit of hazardous waste .
37. Import permit of hazardous waste.
38. Conditions for import permit of hazardous waste.
39. Application requirements for transit permit of hazardous waste.
40. Transit permit of hazardous waste.
41. Conditions for transit permit of hazardous waste.
42. Notification to Commissioner of Customs and Exports Controller.
43. Validity of permits for transboundary movement of hazardous waste.
44. Illegal traffic of hazardous waste.

PART VII  
HEALTH CARE WASTE

45. Segregation of health care waste.
46. Securing and packaging of health care waste.
47. Treatment of health care waste.
48. Storage of health care waste.
49. Transportation of health care waste.
50. Transfer stations.
51. Monitoring.

PART VIII  
PESTICIDES, RADIOACTIVE AND CHEMICAL WASTE

52. Management of pesticides waste.
53. Management of radioactive waste.
54. Management of industrial and consumer chemical waste.

PART IX  
COMPLIANCE AND ENFORCEMENT

- 55. Powers of Environmental Inspectors to serve prevention orders.
- 56. Hazardous waste compliance orders.
- 57. Cancellation of permits.

PART X  
GENERAL PROVISIONS

- 58. Duty to keep records.
- 59. Reporting procedures.
- 60. Liability.
- 61. Insurance.
- 62. Non-transferability of permit.
- 63. Self-environmental audit.
- 64. Offences and penalties.
- 65. Register.
- 66. Appeals
- 67. Minister to issue guidelines or orders.
- 68. Amendment of Schedules.
- 69. Repeal.

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SCHEDULES  
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THE ENVIRONMENTAL MANAGEMENT ACT  
(CAP. 191)

**REGULATIONS**

*(Made under section 133 (4) and (5), 135(1) and 230 (2)(f))*

THE ENVIRONMENTAL MANAGEMENT (HAZARDOUS WASTE CONTROL AND  
MANAGEMENT) REGULATIONS, 2019

PART I  
PRELIMINARY PROVISIONS

- Citation 1. These Regulations may be cited as the Environmental Management (Hazardous Waste Control and Management) Regulations, 2019.
- Application 2. -(1)These Regulations shall apply to all categories of hazardous waste and to the generation, collection, storage, transportation, treatment, recycling, reuse, recovery and disposal of hazardous waste and their movements in, into and out of Mainland Tanzania.  
(2) Without prejudice to subregulation (1), these Regulations shall also apply to all other waste destined for transboundary movement.
- Interpreta-  
tion  
Cap. 191 3. In these Regulations, unless the context requires otherwise-  
“Act” means the Environmental Management Act;  
“Basel Convention” means the Basel Convention on the Control of Transboundary Movement of Hazardous Waste and their Disposal, 1989;  
“Council” means the National Environment Management

- Council referred to under section 16 of the Act;
- “Director of Environment” means a Director of Environment appointed pursuant to section 14 of the Act;
- “environment” has the meaning ascribed to it under the Act;
- “Environmental Inspector” means an inspector appointed under or designated pursuant to section 182 of the Act;
- “harm” means interference with ecological systems of which living organisms form part and in the case of a human being it includes harm, distress or annoyance to any of his senses and damage to his property;
- “hazardous substance” has the meaning ascribed to it under the Act;
- “hazardous waste transfer station” means temporary storage facility for collecting hazardous waste from various sources before transportation for further treatment, recycling, reuse, recovery or disposal.
- “Minister” means the Minister responsible for matters relating to the environment;
- “permit” means a permit to collect or transport or store or own or operate treatment, recycling or reuse or recovery or disposal plant or facility or site export or import or transit hazardous waste;
- “polluter-pays principal” has the meaning ascribed to it under the Act;
- "precautionary principle" means a risk management approach which requires that where there is risk of serious irreversible adverse effects occurring, a lack of scientific certainty should not prevent or impair the taking of precautionary measures to protect the environment;
- “waste disposal site” means a site, used to dispose of or treat waste and includes a mobile or immobile waste treatment plant, waste storage or transfer facility;
- “waste management” means the collection, transport deposit, interim storage, transport, treatment and final disposal of waste;
- “waste management facility” means site or premises used for the purpose of recovery, recycling, treatment or disposal of waste; and

“waste producer” means a person who creates or produces waste.

PART II  
GENERAL PRINCIPLES

Principles

4.-(1) Any person generating, collecting, storing, transporting, treating, recycling, reusing, recovering and disposing of hazardous waste or any person exercising jurisdiction under these Regulations shall, in relation to any decision, order, exercise of any power or performance of any function, be guided by the following principles of environment and sustainable development relevant to hazardous waste management -

- (a) precautionary principle;
- (b) polluter pays principle; and
- (c) producer extended responsibility.

(2) For the purpose of this regulation “producer extended responsibility” means a policy approach which requires that person producing or importing a product should internalize environmental costs in the production of the products and in whole life cycle of such product.

Cleaner  
production  
principle

5. A person who owns or operates a facility or premises which generate hazardous and toxic waste shall minimize the waste generated by adopting the following cleaner production principles -

- (a) improvement of production process through conserving raw materials and energy by -
  - (i) eliminating the use of hazardous and toxic raw materials within such times as may be prescribed by the Minister; and
  - (ii) reducing toxic emissions and hazardous waste to a level prescribed in the applicable national environmental quality standards;
- (b) monitoring the product cycle from beginning to end by-
  - (i) identifying and eliminating potential negative impacts of the product;

- (ii) enabling the recovery and re-use of the product where possible; and
- (iii) reclamation and recycling.

Right and duty to safeguard environment

6.-(1) A person living in Tanzania shall-

- (a) have a right to a clean, safe and healthy environment; and
- (b) have a stake and a duty to-
  - (i) safeguard the environment from adverse effects of hazardous waste; and
  - (ii) inform the relevant authority on any activity or phenomenon resulting from hazardous waste that is likely to adversely affect the environment and human health.

(2) A generator of hazardous waste shall be responsible for the sound management and disposal of such waste and shall be liable for damage to the environment and harm occasioned as a result.

### PART III

#### ADMINISTRATION AND INSTITUTIONAL ARRANGEMENT

Functions of Minister

7. The Minister shall be assisted in the discharge of his duties under these Regulations by the Director of Environment, the Council, local government authorities and Environmental Inspectors.

Functions of Director of Environment

8. The Director of Environment shall-

- (a) serve as the National Focal Point and the Competent Authority for the operation of the Prior Informed Consent Procedure for transboundary movement of hazardous waste under the Basel Convention;
- (b) enhance sectoral coordination, monitoring, and mobilization of stakeholders for control and management of hazardous waste;
- (c) promote institutional capacity to effectively

- support environmentally sound management of hazardous waste;
- (d) oversee the in-country and transboundary movements of hazardous waste;
  - (e) coordinate and promote public awareness on the control and management of hazardous waste; and
  - (f) develop guidelines for handling of hazardous waste.
- Functions of Council
9. The Council shall-
- (a) receive and process Notification and Movement Documents for export of hazardous waste;
  - (b) receive and process in-country applications involving control and management of hazardous waste;
  - (c) establish and maintain information register and data related to the control and management of hazardous waste;
  - (d) inspect and monitor hazardous waste management facilities; and
  - (e) advise the Minister on issuance of consent and permits.
- Powers of Environmental Inspector
10. An Environmental Inspector may, in addition to the powers conferred under the Act or any other written law-
- (a) stop and inspect any vehicle used for the transportation of hazardous waste; and
  - (b) enter upon any premises where hazardous waste is stored, processed or disposed of.
- Duty of local government authority
- 11.-(1) Each local government authority shall, with respect to its area of jurisdiction, ensure that-
- (a) standards prescribed for the hazardous waste management are in place and operational at all the time;
  - (b) premises producing hazardous wastes are adequately ventilated and fitted with air polluting control facilities and are in compliance with prescribed standards;

- (c) waste effluents are treated or are so modified as to comply with prescribed standards before final disposal; and
  - (d) hazardous standards at factory or on site before their discharge into public sewers or municipal oxidation ponds or in an open land or into receiving water bodies.
- (2) Any standards, bylaws and guidelines set by the local government authority for the purpose of these Regulations, shall conform to standards set under these Regulations and the Act.

#### PART IV

#### HAZARDOUS WASTE MANAGEMENT AND HANDLING

Classifica-  
tion of  
hazardous  
waste

12. Hazardous waste shall include waste set out in the First Schedule, Second Schedule and Third Schedule if it possesses any of the characteristics in the Fourth Schedule.

Packaging of  
hazardous  
waste

13.-(1) A person shall not pack or store hazardous waste in a container or package, unless the container or package in which that waste is to be contained, packed or stored meets international requirements approved by the Council.

(2) A container or packaging material provided for under sub-regulation (1) shall be suitable for storage of hazardous waste for which an application for storage has been made and shall -

- (a) not be reactive with the waste in question;
- (b) be free from the possibility of leakage; and
- (c) be capable of protecting the health of persons involved in handling the waste, the neighbouring community and the environment in general.

(3) A container or packaging materials provided for under this regulation shall be-

- (a) labelled;
- (b) punctured after its lifespan or after use; and
- (c) disposed of in accordance with these Regulations.

(4) A person who -

- (a) packs or stores waste contrary to these Regulations;
- (b) sells or offers for sale a container which has been used for the storage of hazardous wastes to be used for any purpose other than storage of wastes,

commits an offence and shall on conviction be liable to a fine of not less than five million shillings but not exceeding ten billion shillings or to imprisonment for a term not exceeding twelve years or to both.

Labelling of waste

14. (1) A person shall not sell, offer for sale, use, pack, store or transport hazardous waste in a container or package, unless the container has been affixed with labels written in English or Kiswahili language specifying the following-

- (a) identity of the hazardous waste;
- (b) name and address of the generator of waste;
- (c) net contents;
- (d) normal storage stability and methods for safe storage;
- (e) name and percentage by weight of other ingredients or half-life of radioactive material;
- (f) warning or caution statements which may include all, some or any of the following as appropriate -
  - (i) the word "WARNING" or "CAUTION";
  - (ii) the word "DANGER! Keep away from unauthorized persons";
  - (iii) the word "POISON" marked indelibly in red on white background; and
  - (iv) a pictogram of a skull and crossbones;
- (g) a statement of First Aid measures to be taken when hazardous waste is inhaled or ingested to including the antidote to be taken and direction that a physician must be contacted immediately;
- (h) adequate directions for handling should be included in accompanying leaflets including safety precautions in transporting, storage, and disposal of hazardous waste and measures for cleaning any equipment used; and
- (i) directions for the disposal of the container and

hazardous waste in accordance with the Act and these Regulations.

(2) Without prejudice to the provisions of sub-regulation (1), the Minister may in giving effect to this regulation, require a person to comply with international requirements approved by the Council.

(3) The label referred to in sub-regulation (1) shall-

- (a) be written in characters that are easily legible; and
- (b) not contain warranties, guarantees and liability exclusion clauses inconsistent with the provisions of the Act or these Regulations.

(4) A person shall not use a vehicle or other conveyance as means for carrying hazardous waste unless such vehicle or conveyance is labelled in accordance with sub-regulation (1) (f).

(5) A person who -

- (a) sells, offers for sale, uses, packs, stores or transports waste in a container or package that is not labelled in accordance with this regulation; or
- (b) uses a vehicle or conveyance that is not labelled in accordance with these Regulations,

commits an offence and shall on conviction be liable to a fine of not less than shillings five million but not exceeding ten billion shillings or for imprisonment for a term not exceeding twelve years or to both.

#### PART V

#### IN-COUNTRY MOVEMENTS OF HAZARDOUS WASTE

Permits for  
in-country  
manage-ment  
of hazardous  
waste

15. The Minister may issue permits for in-country management of hazardous waste for the following activities-

- (a) collection of hazardous waste;
- (b) storage of hazardous waste;
- (c) transportation of hazardous waste;
- (d) owning or operating a plant, facility or site for recycling or recovery or re-use or treatment or disposal of hazardous waste.

Application for permit to manage hazardous waste

16.-(1) A person who intends to collect, store or transport hazardous waste shall apply for a permit to the Minister by filling Form No. 1 prescribed in the Fifth Schedule and submit it to the Council for consideration.

(2) A person who intends to own or operate a plant or facility or site for recycling or recovery or re-use or treatment or disposal of hazardous waste shall apply for a permit to the Minister by filling Form No. 3 prescribed in the Fifth Schedule and submit it to the Council for consideration.

Requirements for permit to collect hazardous waste

17.-(1) A person who intends to collect hazardous waste shall apply for a permit to the Minister by filling Form No. 1 prescribed in the Fifth Schedule and submitting to the Council with the following attachments:

- (a) business licence;
- (b) Certificate of Incorporation and Memorandum and Articles of Association in case of company;
- (c) Tax Identification Number (TIN) certificate;
- (d) business or company profile;
- (e) Inspection report by an Environmental Officer with regard to hazardous waste transfer station;
- (f) relevant permit from other Authorities;
- (g) upon renewal of licence, medical report of fitness for personnel involved in collection of waste in accordance with the Occupational Safety and Health Act and Tracking Form in Form No. 5 prescribed in the Fifth Schedule;
- (h) proof of payment of application fee prescribed by the Minister under the Environmental Management (Fees and Charges) Regulations; and
- (i) any other document which the Council may require.

Cap. 297

G.N No. 167 of 2018

(2) Where the requirements for application under sub-regulation (1) have been complied with, the Council shall—

- (a) direct the Applicant to pay permit charges as prescribed in the Environmental Management (Fees and Charges) Regulations; and
- (b) advise the Minister for issuance of the permit.

Permit for collection of hazardous waste

18. The Minister may issue a permit for collection of hazardous waste in Form No. 2 specified in the Fifth Schedule where he is satisfied that the Applicant has adequate and appropriate facilities and equipment to collect hazardous waste without causing significant damage to public health and the environment.

Conditions for permit to collect hazardous waste

19. A person granted with permit to collect hazardous waste shall-

- (a) use appropriate waste collection equipment taking into account the type of hazardous waste;
- (b) ensure that the collection of hazardous waste from generation or transfer station is conducted in a manner that shall not cause scattering of waste, leaks or spillage;
- (c) ensure that waste transfer station is labeled with appropriate and visible hazard symbols, provided with First Aid equipment and fire extinguisher according to the type of waste stored;
- (d) ensure that at all times the waste transfer station is affixed by all necessary licences and permits from other relevant Authorities;
- (e) provide adequate protective and safety gears to personnel involved in handling of hazardous waste;
- (f) provide safe and secure seating facilities for personnel involved in vehicles used for collection of waste;
- (g) provide basic training and information to personnel involved in the collection and handling of the hazardous waste at the waste transfer station;
- (h) ensure that the waste -
  - (i) is stored properly;
  - (ii) is not exposed to direct sunlight, rain and wind; and
  - (iii) which is waste oil and other liquid hazardous waste is stored in closed containers;
- (i) provide annual medical check-up in accordance

Cap. 297

- with the Occupational Safety and Health Act, and submit medical report of fitness to the Council;
- (j) ensure that the waste is transported in a transport facility that is covered or a closed container at all times depending on the type of waste;
  - (k) provide biannual reports of the conduct of the collection activity to the Council;
  - (l) submit a Tracking Form in Form No. 5 prescribed in the Fifth Schedule to these Regulations, to the Council immediately upon completion of the collection operation; and
  - (m) comply with any condition which the Minister may impose.

Application  
require-ments  
for permit to  
store  
hazardous  
waste

20.-(1) A person who intends to store hazardous waste shall apply for a permit to the Minister by filling Form No. 1 prescribed in the Fifth Schedule and submit to the Council with the following attachments-

- (a) Environmental Impact Assessment (EIA) Environmental Audit Certificate;
- (b) inspection report of the storage facility or site conducted by an Environmental Officer;
- (c) business licence;
- (d) Certificate of Incorporation and Memorandum and Articles of Association where the applicant is a company;
- (e) Tax Identification Number (TIN) certificate;
- (f) business or company profile;
- (g) Emergency Response Plan;
- (h) any relevant permit from other Authorities;
- (i) upon renewal, a medical report of fitness for personnel involved in storage of waste in accordance with the Occupational Safety and Health Act, and Tracking Form Form No. 5 prescribed in the Fifth Schedule; and
- (j) proof of payment of application fee prescribed by the Minister under the Environmental Management (Fees and Charges) Regulations.

Cap. 297

G.N No.  
167 of 2018

(2) Where the requirements for application under sub-regulation (1) have been complied with, the Council shall—

- (a) direct the Applicant to pay permit charges as prescribed in the Environmental Management (Fees and Charges) Regulations; and
- (b) advise the Minister for issuance of the permit.

Permit for storage of hazardous waste

21. A Minister may issue a permit for storage of hazardous waste in Form No. 2 prescribed in the Fifth Schedule where he is satisfied that the Applicant has adequate and appropriate facilities and equipment to store hazardous waste without causing significant damage to public health and the environment.

Conditions for a permit to store hazardous waste

22. A person who has been issued with a permit to store hazardous waste shall—

- (a) provide biannual reports of the conduct of the storage activity;
- (b) use an appropriate storage facility or site;
- (c) where handling liquid hazardous waste, use closed containers of not less than twenty litres for packaging;
- (d) ensure that storage facility is labeled with appropriate and visible hazard symbols, provided with First Aid equipment and fire extinguisher according to the type of waste stored;
- (e) ensure that the storage facility is affixed with all necessary licences and permits from other relevant Authorities at all times;
- (f) provide adequate protective and safety gears to personnel involved in handling the hazardous waste at the storage facility;
- (g) ensure the waste -
  - (i) is stored properly;
  - (ii) is not exposed to direct sunlight, rain and wind; and
  - (iii) which is waste oil and other liquid hazardous waste should be stored in

Cap. 297

closed containers;

- (h) provide annual medical check-up in accordance with the Occupational Safety and Health Act and submit medical report of fitness to the Council;
- (i) provide basic training to staff on safe waste storage and handling of emergency cases or accidents;
- (j) avoid underground storage tanks and underground piping of hazardous waste, where possible;
- (k) ensure that during storage, height of stacked containers should be limited to ensure safety;
- (l) submit Tracking Form in Form No. 5 prescribed in the Fifth Schedule to these Regulations, to the Council immediately upon completion of the storage operation; and
- (m) comply with any condition which the Minister may impose.

Application  
require-ments  
for permit to  
transport  
hazardous  
waste

23.-(1) A person who intends to transport hazardous waste shall apply for a permit to the Minister by filling Form No. 1 prescribed in the Fifth Schedule and submit it to the Council with the following attachments-

- (a) business licence;
- (b) Certificate of incorporation and Memorandum and Article of Associations in case of company;
- (c) Taxpayer Identification Number (TIN) certificate;
- (d) business or company profile;
- (e) details on the mode of transportation and specifications;
- (f) emergency response plan;
- (g) relevant permit(s) from other Authorities.
- (h) upon renewal, Tracking Form in Form No. 5 prescribed in the Fifth Schedule;
- (i) medical report of fitness for personnel involved in transportation of waste; and
- (j) proof of payment of application fee prescribed

G.N No.  
167 of 2018

by the Minister under the Environmental Management (Fees and Charges) Regulations.

(2) Where the requirements for application under sub-regulation (1) have been complied with, the Council shall—

- (a) direct the Applicant to pay permit charges as prescribed in the Environmental Management (Fees and Charges) Regulations; and
- (b) advise the Minister for issuance of the permit.

Permit for transportation of hazardous waste

24. The Minister may issue a permit for transportation of hazardous waste in Form No. 2 prescribed in the Fifth Schedule to these Regulations where he is satisfied that the Applicant has adequate and appropriate facilities and equipment to transport hazardous waste without causing significant damage to public health and the environment.

Conditions for permit to transport hazardous waste

25. A person who has been granted a permit to transport hazardous waste shall—

- (a) use of appropriate means of transport taking into account the type of hazardous waste in order to avoid the waste spreading or noxious releases during transportation;
- (b) ensure that each transport facility is labeled with appropriate hazard symbols, provided with First Aid equipment and fire extinguisher according to the type of waste carried;
- (c) ensure that the waste consignment is accompanied by all necessary transport documents at all times together with permits and licences from other Authorities;
- (d) use the shortest routes or routes presenting the lowest risk for the public and environment;
- (e) provide adequate protective and safety gears to personnel involved in handling the hazardous waste;
- (f) provide safe and secure seating facilities in the cabin for personnel involved during transportation of hazardous waste;

- (g) ensure the waste is transported in a covered transport facility or closed container at all times depending on the type of waste ;
- (h) provide annual medical check-up and submit medical report of fitness to the Council;
- (i) provide basic training to staff on safe waste transport and handling of emergency cases or accidents;
- (j) submit Tracking Form in Form No. 5 prescribed in the Fifth Schedule to the Council upon completion of the collection operations; and
- (k) comply with any condition which the Minister may impose.

Labelling of the vehicle or other means of conveyance

26. A motor vehicle or other means of conveyance that has been permitted to transport hazardous waste shall be labelled at the back and on both sides with the warning or caution statements in accordance with international requirements approved by the Council including-

- (i) the words "WARNING" or "CAUTION";
- (ii) the words "DANGER! Keep away from unauthorized persons";
- (iii) the words "POISON" marked indelibly in red or white background; and
- (iv) a pictogram of a skull and crossbones;

Application requirements for permit to own or operate treatment, recovery, reuse, recycling or disposal plant or facility or site of hazardous waste

27.-(1) A person who intends to own or operate treatment, recovery, reuse, recycling or disposal facility, plant or site shall apply to the Minister for a permit by filling Form No. 3 prescribed in the Fifth Schedule and submit it to the Council with the following attachments:

- (a) Environmental Impact Assessment (EIA) or Environmental Audit Certificate;
- (b) business licence;
- (c) Certificate of Incorporation and Memorandum and Articles of Association, in case of a company;
- (d) Taxpayer Identification Number (TIN) certificate ;
- (e) business or company profile;
- (f) proof of land ownership or lease agreement and

G.N No.167  
of 2018

- land use;
- (g) energy plan of the treatment plant, disposal facility or site;
- (h) detailed description of the treatment plant disposal facility or site;
- (i) relevant permits from other Authorities;
- (j) Emergency Response Plan;
- (k) renewal, Tracking Document in Form No. 5 prescribed in the Fifth Schedule ;
- (l) proof of payment of application fees as prescribed in the applicable Environmental Management (Fees and Charges) Regulations; and
- (m) any other document which the Council may require.

(2) Where the Council has received an application made pursuant to this regulation and is satisfied that all requirements have been complied with, the Council shall—

- (a) direct the Applicant to pay permit charges as prescribed in the Environmental Management (Fees and Charges) Regulations; and
- (b) advise the Minister for issuance of the permit.

Permit to own or operate treatment, recovery, reuse, recycling or disposal plant or facility or site of hazardous waste

28. The Minister may issue a permit to own or operate treatment, recycling, reuse, or disposal facility, plant or site of hazardous waste in Form No. 4 prescribed in the Fourth Schedule where he is satisfied that the plant, facility or site is conducted in a relevant zoned site.

Conditions for permit to own or operate treatment, recovery, reuse, recycling, or disposal facility, plant or site of

29. A person who has been granted a permit on own or operate treatment, recovery, reuse, recycling or disposal facility or plant or site shall -

- (a) ensure that the treatment plant, disposal facility or site operation is conducted in a relevant zoned site;
- (b) ensure that treatment plant, disposal facility or site is labeled with appropriate and visible hazard and

hazardous  
waste

safety signs, provided with First Aid kit and fire extinguisher;

- (c) ensure that treatment or disposal of appropriate type of hazardous waste is compatible with the treatment plant or disposal facility or site;
- (d) ensure that there is proper handling and management of the treatment or disposal and in a manner that does not pose risk to the public and environment;

Cap. 297

- (e) provide adequate protective and safety gears to personnel involved in handling the hazardous waste;
- (f) ensure the waste is stored properly and is not exposed to direct sunlight, rain and wind prior to the treatment or disposal operation;
- (g) carry out an annual audit of the environmental performance of the plant, facility or site and submit a report to the Council;
- (h) provide annual medical check-up in accordance with the Occupational Safety and Health Act, and submit medical report of fitness to the Council;
- (i) provide basic training to staff involved in handling and disposal of hazardous waste;
- (j) submit Tracking Form in Form No. 5 prescribed in the Fifth Schedule to the Council upon completion of the treatment operation; and
- (k) comply with any condition which the Minister may impose.

Validity of  
permit for in-  
country  
movement of  
hazardous  
waste

30.-(1) A permit for in-country movement of hazardous waste issued under these Regulations for collection, storage, transportation, ownership or operating treatment, reuse, recovery, recycle or disposal facility or plant or site shall be valid for one year and may, upon application, be renewed by the Minister.

(2) The Minister may limit the validity of a permit issued under this regulation to a specific number of transactions.

Offences relating to in-country movement of hazardous waste

31. Any person who deals with-
- (a) collection of hazardous waste;
  - (b) storage of hazardous waste;
  - (c) transportation of hazardous waste;
  - (d) owning or operating facility, plant or site for treatment, recycling, reuse, recovery or disposal of hazardous waste without a permit issued under these Regulations,

commits an offence and shall on conviction be liable to a fine of not less than five million shillings but not exceeding ten billion shillings or to imprisonment for a term not exceeding twelve years or to both.

#### PART VI

#### TRANSBOUNDARY MOVEMENT OF HAZARDOUS WASTE

Focal point and competent authority

32.-(1) The Director shall be the Focal Point and Competent Authority for the operation of the Prior Informed Consent procedure for the export, transit or other transboundary movement of hazardous waste in accordance with the provisions of the Basel Convention.

(2) The Director shall closely liaise with the designated national authorities of other states under any international convention or arrangement to which the United Republic is a party and international organisations.

(3) The Director shall disseminate information on management of hazardous waste to the public.

Application requirements for export permit of hazardous waste

33.-(1) A person who intends to export hazardous waste shall fill in triplicate Notification Document in Form 6 and Movement Document in Form 7 prescribed in the Fifth Schedule to these Regulations and submit it to the Council with the following attachments-

- (a) a contract between the exporter and the importer specifying environmentally sound management of the wastes in question;
- (b) a permit for collection or storage of hazardous waste, where applicable;
- (c) a schedule of intended shipment of the hazardous

G.N No. 167 of 2018

waste; and

- (d) a proof of payment of application fees as prescribed in the Environmental Management (Fees and Charges) Regulations.

(2) Upon satisfaction that the requirements of the subregulation (1) have been complied with, the Council shall require the Applicant to pay the export charges as prescribed in the Environmental Management (Fees and Charges) Regulations and submit the application package to the Minister.

(3) Upon receipt of the application package from the Council, the Minister through the Director, shall notify the Competent Authority of the country of import and the country of transit, if any for consent.

Export permit

34. Where consent is received from competent authorities of the State of import and transit, the Minister shall issue a hazardous waste export permit in Form No. 8 prescribed in the Fifth Schedule.

Conditions for export permit of hazardous waste

35. A person who has been grants an export permit shall ensure that-

- (a) the export cargo only pass through the customs point of exit in accordance with the schedule of shipments declared in the Movement Document;
- (b) the export cargo is packaged in accordance with international requirements approved by the Council;
- (c) the export cargo is labeled in accordance with international requirements approved by the Council;
- (d) the export cargo is not transported by inland waters except where it is generated from islands within the territorial jurisdiction of Tanzania; and
- (e) the export permit is surrendered to the Custom Authorities at the point of exit.

Application requirements for import permit of

36. The State of Export shall notify the Minister through the Director by submitting Notification Document in Form 6 and Movement Document in Form 7 prescribed in the

- hazardous waste
- Fifth Schedule, attached with the following-
- (a) a contract between Exporter and Importer specifying environmentally sound management of the wastes in question;
  - (b) a schedule of intended shipment of the hazardous waste;
  - (e) Certificate of incorporation;
  - (f) Taxpayer Identification Number;
  - (g) Business licence;
  - (c) Company profile;
  - (d) proof that the hazardous waste is generated from the State of Export; and
- G.N No. 167 of 2018
- (e) proof of payment of application fees as prescribed in the Environmental Management (Fees and Charges) Regulations.
- Import permit of hazardous waste
- 37.The Minister shall upon receiving the notification from the competent authorities of the State of Export, and being dully satisfied by the advice of the Director, issue consent and import permit in Form No. 9 prescribed in the Fifth Schedule.
- Conditions for import permit of hazardous waste
38. A person who has been granted an import permit shall ensure that-
- (a) the import cargo shall be packaged in accordance with international requirements approved by the Council;
  - (b) the import cargo shall be labeled in accordance with international requirements approved by the Council;
  - (c) import cargo shall not be transported by inland waters save for hazardous waste generated from islands within the territorial jurisdiction of Tanzania; and
  - (d) he holds other relevant permits from other authorities
- Application require-ments
- 39.-(1)The State of Export shall notify the Minister through the Director by submitting duly filled Notification

for transit  
permit of  
hazardous  
waste

Document in Form 6 and Movement Document in Form 7 both prescribed in the Fifth Schedule, with the following attachments:

- (a) a contract between Exporter and Importer specifying environmentally sound management of the wastes in question;
- (b) a schedule of intended shipment of the hazardous waste; and
- (c) Emergency Response Plan.

(2) The Director shall where satisfied determine the escort charges of transit cargo and instruct the Applicant to pay the charges accordingly.

Transit  
permit of  
hazardous  
waste

40. Where the Minister receives a notification from the competent authorities of the State of Export and the consent from the State of Import, the Minister shall issue the consent through the Movement Document; and transit permit in Form No. 10 prescribed in the Fifth Schedule.

Conditions  
for transit  
permit of  
hazardous  
waste

41. A person who has been granted a transit permit shall ensure that-

- (a) transit cargo that passes through the United Republic of Tanzania shall not be unloaded for repackaging;
- (b) transit cargo shall only be transported through the customs point of entry and exit stipulated in the declared schedule of shipments
- (c) the permit is surrendered to the Custom Authorities at the point of exit;
- (d) transit cargo shall not be transported by inland waters;
- (e) transit cargo shall be packaged in accordance with international requirements approved by the Council;
- (f) transit cargo shall be labeled in accordance with international requirements approved by the Council; and
- (g) he shall cover escort expenses for the transit cargo.

Notification to Commissioner of Customs and Exports Controller

42. The Council shall submit a copy of the permits issued for transboundary movements of hazardous waste together with the Notification Document and Movement Document to the Commissioner of Customs and the Exports Controller.

Validity of permits for transboundary movement of hazardous waste

43. Any permit for transboundary movement of hazardous waste issued under these Regulations shall relate to the specific transaction and shall not be valid for any subsequent transaction.

Illegal traffic of hazardous waste

44.-(1) For the purpose of these Regulations, any transboundary movement of hazardous waste or other waste:

- (a) without notification to all States concerned;
  - (b) without the consent of a State concerned;
  - (c) with consent obtained from a State concerned through falsification, misrepresentation or fraud;
  - (d) that does not conform in a material way with the documents; or
  - (e) that results in deliberate disposal including dumping of hazardous waste or other waste in contravention of these Regulations and of general principles of international law,
- shall be deemed to be illegal traffic.

(2) Any illegal traffic of hazardous waste shall be taken back to the State of Export by the exporter, the generator or, where necessary, by itself into the State of Export.

(3) Notwithstanding the provisions of subregulation (2), any person who contravenes this Regulation commits an offence and shall on conviction be liable to a fine of not less than five million shillings but not exceeding ten billion shillings or to imprisonment for a term not exceeding twelve years or to both.

## PART VII HEALTH CARE WASTE

Segregation of health care

45. A person who generates health care waste shall at

waste	the point of generation and at all stages thereafter segregate the waste in accordance with the categories provided under the Sixth Schedule.
Securing and packaging of health care waste	46. Health care waste shall be securely packaged in containers approved by the Ministry responsible for health which shall be labelled with symbols and colour codes set out in Seventh Schedule.
Treatment of health care waste	47. A person who generates health care waste shall treat or cause to be treated all health care waste in the manner set out in the Eighth Schedule, before such health care waste is stored or disposed of.
Storage of health care waste	48. Storage of health care waste shall be in accordance with relevant law governing the operation of health care facilities.
Transportation of health care waste	49. A person shall not transport health care waste without a permit issued by the Ministry responsible for health or the relevant local government authority.
Transfer stations	50. The provisions of these Regulations relating to storage and transportation of health care waste shall apply to owners or operators of transfer stations.
Monitoring	51.- (1) The responsible department or unit in the Ministry responsible for health shall monitor the management of all health care waste to ensure such health waste is managed in a manner that may not adversely affect the environment and human health. (2) Notwithstanding the provision of subregulation (1), the Council shall ensure compliance of these Regulations in the management of health care waste.

**PART VIII  
PESTICIDES, RADIOACTIVE AND CHEMICAL WASTE**

Management of pesticides	52.-(1) Subject to sub-regulation (2), the management
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waste  
Caps. 133  
and 161, 319  
and 99

of pesticides waste shall be in accordance with the Plant Protection Act, the Tanzania Pesticides Research Institute Act, the Veterinary Act and the Public Health Act.

(2) The Minister shall liaise with the Minister responsible for pesticides with a view to putting in place regulatory framework that will ensure that the treatment and disposal of pesticides waste complies with the requirement of the Act in relation to management of hazardous waste.

Manage-ment  
of radioactive  
waste

53.-(1) Management of radioactive waste shall be conducted at designated sites or facilities in manner approved by the Tanzania Atomic Energy Agency.

Cap. 188

(2) The Atomic Energy Act and Regulations made thereunder shall apply in relation to the classification, registrations, labelling, packaging, transportation, importation, exportations, waste disposal and health and safety requirements with regard to radioactive waste.

Manage-ment  
of industrial  
and consumer  
and chemical  
waste Cap.  
182

54. Subject to the provisions of the Act, the management of industrial and consumer and chemical waste shall be conducted at designated sites or plant in accordance with the Industrial and Consumer Chemicals (Management and Control) Act.

#### PART IX COMPLIANCE AND ENFORCEMENT

Powers of  
Environ-  
mental  
Inspectors to  
serve  
prevention  
orders

55.-(1) Where the Council or an Environmental Inspector or an officer of the Council has reasonable grounds to believe that, a person is or will be conducting an activity, or is or will be in possession or control of substances or anything that may result in violation of the provisions of these Regulations, he may serve a prevention order on that person.

(2) A person on whom a prevention order is served shall comply with the requirements of the order by the date or dates specified in the order and if no date is specified, that person shall comply with the order immediately.

(3) A person who contravenes a prevention order commits an offence and shall on conviction, be liable to a fine

of not less than five hundred thousand shillings or to imprisonment for a term not exceeding one year and where that person fails to comply with a requirement specified in the prevention order within the time specified, that person shall be liable to a further fine not exceeding one hundred thousand shillings for every day or part of a day after the date specified in the order during which the offence is continued.

Hazardous  
waste  
compliance  
orders

56.-(1) Where an Environmental Inspector has reasonable grounds to believe that any condition of a licence or permit issued under these Regulations has been breached, he may serve a compliance order requiring that person to remedy the breach within a reasonable period stipulated in the order, failure of which the local government authority may cancel or revoke the licence or permit.

(2) Permits or licences issued under these Regulations to a person served with a compliance order stands cancelled or revoked seven days after the deadline set for compliance.

(3) In addition to revocation or cancellation of licence or Permit under sub regulation (2), a local government authority may take any further action it deems appropriate.

Cancellation  
of permit

57. The Minister may suspend or revoke a permit issued under these Regulations where he is satisfied that—

- (a) the conditions of the grant of the permit have not been complied with; or
- (b) the continued operation of the activity is or is likely to be injurious to the environment and human health.

#### PART X GENERAL PROVISIONS

Duty to keep  
records

58. A permit holder under these Regulations shall-

- (a) keep record of permitted activity and all transactions related to it in Form No. 11 prescribed in the Fifth Schedule; and
- (b) submit the record made under this regulation to the Council at interval of six months.

Reporting  
procedures

59.-(1) A person permitted to carry out any activity under these Regulations shall submit bi-annual reports on the conduct of the permitted activity to the Council in the manner set out in Form No. 12 prescribed in the Fifth Schedule.

(2) Where special reporting procedures are made the condition of a permit granted under these Regulations, those procedures shall take precedence over the submission of bi-annual reports.

Liability

60. Where any damage is caused by hazardous waste which has been deposited into the environment, a person who deposited, caused or permitted a waste to be deposited, is liable for the damage to the environment and human health.

Insurance

61.-(1) The Director may, in a fitting case, require an applicant for a permit to subscribe to an insurance policy covering the risks likely to arise out of the activity for which the permit is required.

(2) Without prejudice to sub-regulation (2), an importer, exporter and transporter of hazardous waste shall subscribe to an insurance policy to cover risks likely to be caused to the environment and human health.

Non-  
transferabi-  
lity of permit

62. A permit for export of hazardous waste or other waste issued under these Regulations shall not be transferable.

Self-  
environmental  
audit

63. An owner or operator of a hazardous waste treatment plant, recycling, recovery, reuse or disposal facility or site shall carry out annual self-environmental audit of the environmental performance of the plant or facility or site and shall submit a report to the Council.

Offences and  
penalties

64. Any person who contravenes these Regulations commits an offence and shall on conviction be liable to a fine of not less than five million shillings but not exceeding ten billion shillings or to imprisonment for a term not exceeding twelve years or to both.

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

Register	65. The Council shall maintain a register of all permits issued under these Regulations.
Appeals	66. A person aggrieved by any decision made under these Regulations may appeal in accordance with the provisions of the Act.
Minister to issues guidelines or orders	67. The Minister may issue guidelines or orders to facilitate effective implementation of these Regulations.
Amendment of Schedules	68. The Minister may amend Schedules to these Regulations.
Repeal of G.N No. 264 of 2009	70. The Environmental Management (Hazardous Waste Control and Management) Regulations of 2009 are hereby repealed.

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SCHEDULES  
—————

FIRST SCHEDULE  
—————

*(Made under regulation 12)*

WASTES STREAMS

This Schedule lists the categories of wastes to be controlled under these Regulations, including both specific waste categories (Y1 to Y18) and wastes having specific constituents (Y19 to Y45).

Y1	Clinical wastes from medical care in hospitals, medical centers and clinics
Y2	Wastes from the production and preparation of pharmaceutical products
Y3	Waste pharmaceuticals, drugs and medicines
Y4	Wastes from the production, formulation and use of biocides and phytopharmaceuticals
Y5	Wastes from the manufacture, formulation and use of wood preserving chemicals
Y6	Wastes from the production, formulation and use of organic solvents
Y7	Wastes from heat treatment and tempering operations containing cyanides
Y8	Waste mineral oils unfit for their originally intended use
Y9	Waste oils/water, hydrocarbons/water mixtures, emulsions
Y10	Waste substances and articles containing or contaminated with polychlorinated biphenyls (PCBs) and/or polychlorinated terphenyls (PCTs) and/or polybrominated biphenyls (PBBs)
Y11	Waste tarry residues arising from refining, distillation and any pyrolytic treatment
Y12	Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish
Y13	Waste from production, formulation and use of resins, latex, plasticizers, glues/adhesives
Y14	Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on man and/or the environment are not known
Y15	Wastes of an explosive nature not subject to other legislation
Y16	Wastes from production, formulation and use of photographic chemicals and processing materials
Y17	Wastes resulting from surface treatment of metals and plastics
Y18	Residues arising from industrial waste disposal operations

Wastes having as constituents:

Y19	Metal carbonyls
Y20	Beryllium; beryllium compounds
Y21	Hexavalent chromium compounds
Y22	Copper compounds
Y23	Zinc compounds
Y24	Arsenic; arsenic compounds
Y25	Selenium; selenium compounds
Y26	Cadmium; cadmium compounds
Y27	Antimony; antimony compounds
Y28	Tellurium; tellurium compounds
Y29	Mercury; mercury compounds
Y30	Thallium; thallium compounds
Y31	Lead; lead compounds
Y32	Inorganic fluorine compounds excluding calcium fluoride
Y33	Inorganic cyanides
Y34	Acidic solutions or acids in solid form
Y35	Basic solutions or bases in solid form
Y36	Asbestos (dust and fibres)
Y37	Organic phosphorus compounds
Y38	Organic cyanides
Y39	Phenols; phenol compounds including chlorophenols
Y40	Ethers
Y41	Halogenated organic solvents
Y42	Organic solvents excluding halogenated solvents
Y43	Any congener of polychlorinated dibenzo-furan
Y44	Any congener of polychlorinated dibenzo-p-dioxin
Y45	Organohalogen compounds other than substances referred to in this Annex (e.g. Y39, Y41, Y42, Y43, Y44)

CATEGORIES OF WASTES REQUIRING SPECIAL CONSIDERATION

Y46	Wastes collected from households
Y47	Residues arising from the incineration of household wastes

SECOND SCHEDULE

*(Made under regulation 12)*

A1 Metal and metal-bearing wastes

- A1010 Metal wastes and waste consisting of alloys of any of the following:
- Antimony
  - Arsenic
  - Beryllium
  - Cadmium
  - Lead
  - Mercury
  - Selenium
  - Tellurium
  - Thallium
- but excluding such wastes specifically listed on list B.
- A1020 Waste having as constituents or contaminants, excluding metal waste in massive form, any of the following:
- Antimony; antimony compounds
  - Beryllium; beryllium compounds
  - Cadmium; cadmium compounds
  - Lead; lead compounds
  - Selenium; selenium compounds
  - Tellurium; tellurium compounds
- A1030 Wastes having as constituents or contaminants any of the following:
- Arsenic; arsenic compounds
  - Mercury; mercury compounds
  - Thallium; thallium compounds
- A1040 Wastes having as constituents any of the following:
- Metal carbonyls
  - Hexavalent chromium compounds
- A1050 Galvanic sludges
- A1060 Waste liquors from the pickling of metals
- A1070 Leaching residues from zinc processing, dust and sludge such as jarosite, hematite, etc.
- A1080 Waste zinc residues not included on list B, containing lead and cadmium in concentrations sufficient to exhibit Annex III characteristics
- A1090 Ashes from the incineration of insulated copper wire
- A1100 Dusts and residues from gas cleaning systems of copper smelters
- A1110 Spent electrolytic solutions from copper electro refining and electro winning operations
- A1120 Waste sludge, excluding anode slimes, from electrolyte purification systems in

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

- A1130 copper electrorefining and electrowinning operations  
Spent etching solutions containing dissolved copper
- A1140 Waste cupric chloride and copper cyanide catalysts
- A1150 Precious metal ash from incineration of printed circuit boards not included on list B
- A1160 Waste lead-acid batteries, whole or crushed
- A1170 Unsorted waste batteries excluding mixtures of only list B batteries. Waste batteries not specified on list B containing Annex I constituents to an extent to render them hazardous
- A1180 Waste electrical and electronic assemblies or scrap<sup>1</sup> containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or contaminated with Annex I constituents (e.g., cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they possess any of the characteristics contained in Annex III (note the related entry on list B B1110)<sup>2</sup>
- A1190 Waste metal cables coated or insulated with plastics containing or contaminated with coal tar, PCB<sup>3</sup>, lead, cadmium, other organohalogen compounds or other Annex I constituents to an extent that they exhibit Annex III characteristics.

A2 Wastes containing principally inorganic constituents, which may contain metals and organic materials

- A2010 Glass waste from cathode-ray tubes and other activated glasses
- A2020 Waste inorganic fluorine compounds in the form of liquids or sludge but excluding such wastes specified on list B
- A2030 Waste catalysts but excluding such wastes specified on list B
- A2040 Waste gypsum arising from chemical industry processes, when containing Annex I constituents to the extent that it exhibits an Annex III hazardous characteristic (note the related entry on list B B2080)
- A2050 Waste asbestos (dusts and fibres)
- A2060 Coal-fired power plant fly-ash containing Annex I substances in concentrations sufficient to exhibit Annex III characteristics (note the related entry on list B B2050)

A3 Wastes containing principally organic constituents, which may contain metals and inorganic materials

A3010	Waste from the production or processing of petroleum coke and bitumen
A3020	Waste mineral oils unfit for their originally intended use
A3030	Wastes that contain, consist of or are contaminated with leaded anti-knock compound sludge
A3040	Waste thermal (heat transfer) fluids
A3050	Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives excluding such wastes specified on list B (note the related entry on list B B4020)
A3060	Waste nitrocellulose
A3070	Waste phenols, phenol compounds including chlorophenol in the form of liquids or sludge
A3080	Waste ethers not including those specified on list B
A3090	Waste leather dust, ash, sludge and flours when containing hexavalent chromium compounds or biocides (note the related entry on list B B3100)
A3100	Waste paring and other waste of leather or of composition leather not suitable for the manufacture of leather articles containing hexavalent chromium compounds or biocides (note the related entry on list B B3090)
A3110	Fellmongery wastes containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list B B3110)
A3120	Fluff - light fraction from shredding
A3130	Waste organic phosphorous compounds
A3140	Waste non-halogenated organic solvents but excluding such wastes specified on list B
A3150	Waste halogenated organic solvents
A3160	Waste halogenated or unhalogenated non-aqueous distillation residues arising from organic solvent recovery operations
A3170	Wastes arising from the production of aliphatic halogenated hydrocarbons (such as chloromethane, dichloro-ethane, vinyl chloride, vinylidene chloride, allyl chloride and epichlorhydrin)
A3180	Wastes, substances and articles containing, consisting of or contaminated with polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), polychlorinated naphthalene (PCN) or polybrominated biphenyl (PBB), or any other polybrominated analogues of these compounds, at a concentration level of 50 mg/kg or more <sup>4</sup>
A3190	Waste tarry residues (excluding asphalt cements) arising from refining,

- A3200 distillation and any pyrolytic treatment of organic materials  
Bituminous material (asphalt waste) from road construction and maintenance, containing tar (note the related entry on list B, B2130)

A4 Wastes which may contain either inorganic or organic constituents

- A4010 Wastes from the production, preparation and use of pharmaceutical products but excluding such wastes specified on list B
- A4020 Clinical and related wastes; that is wastes arising from medical, nursing, dental, veterinary, or similar practices, and wastes generated in hospitals or other facilities during the investigation or treatment of patients, or research projects
- A4030 Wastes from the production, formulation and use of biocides and phytopharmaceuticals, including waste pesticides and herbicides which are off-specification, outdated,<sup>5</sup> or unfit for their originally intended use
- A4040 Wastes from the manufacture, formulation and use of wood-preserving chemicals<sup>6</sup>
- A4050 Wastes that contain, consist of or are contaminated with any of the following:
- Inorganic cyanides, excepting precious-metal-bearing residues in solid form containing traces of inorganic cyanides
  - Organic cyanides
- A4060 Waste oils/water, hydrocarbons/water mixtures, emulsions
- A4070 Wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish excluding any such waste specified on list B (note the related entry on list B B4010)
- A4080 Wastes of an explosive nature (but excluding such wastes specified on list B)
- A4090 Waste acidic or basic solutions, other than those specified in the corresponding entry on list B (note the related entry on list B B2120)
- A4100 Wastes from industrial pollution control devices for cleaning of industrial off-gases but excluding such wastes specified on list B
- A4110 Wastes that contain, consist of or are contaminated with any of the following:
- Any congener of polychlorinated dibenzo-furan
  - Any congener of polychlorinated dibenzo-dioxin
- A4120 Wastes that contain, consist of or are contaminated with peroxides
- A4130 Waste packages and containers containing Annex I substances in concentrations sufficient to exhibit Annex III hazard characteristics

<sup>5</sup> "Outdated" means unused within the period recommended by the manufacturer.

<sup>6</sup> This entry does not include wood treated with wood preserving chemicals.

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

- |       |   |
|-------|---|
| A4140 | Waste consisting of or containing off specification or outdated <sup>7</sup> chemicals corresponding to Annex I categories and exhibiting Annex III hazard characteristics                            |
| A4150 | Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on human health and/or the environment are not known |
| A4160 | Spent activated carbon not included on list B (note the related entry on list B B2060)  |

THIRD SCHEDULE

(Made under regulation 12)

B1 Metal and metal-bearing wastes

- B1010 Metal and metal-alloy wastes in metallic, non-dispersible form:
- Precious metals (gold, silver, the platinum group, but not mercury)
  - Iron and steel scrap
  - Copper scrap
  - Nickel scrap
  - Aluminium scrap
  - Zinc scrap
  - Tin scrap
  - Tungsten scrap
  - Molybdenum scrap
  - Tantalum scrap
  - Magnesium scrap
  - Cobalt scrap
  - Bismuth scrap
  - Titanium scrap
  - Zirconium scrap
  - Manganese scrap
  - Germanium scrap
  - Vanadium scrap
  - Scrap of hafnium, indium, niobium, rhenium and gallium
  - Thorium scrap
  - Rare earths scrap
  - Chromium scrap
- B1020 Clean, uncontaminated metal scrap, including alloys, in bulk finished form (sheet, plate, beams, rods, etc), of:
- Antimony scrap
  - Beryllium scrap
  - Cadmium scrap
  - Lead scrap (but excluding lead-acid batteries)
  - Selenium scrap
  - Tellurium scrap

B1030	Refractory metals containing residues
B1031	Molybdenum, tungsten, titanium, tantalum, niobium and rhenium metal and metal alloy wastes in metallic dispersible form (metal powder), excluding such wastes as specified in list A under entry A1050, Galvanic sludge
B1040	Scrap assemblies from electrical power generation not contaminated with lubricating oil, PCB or PCT to an extent to render them hazardous
B1050	Mixed non-ferrous metal, heavy fraction scrap, not containing Annex I materials in concentrations sufficient to exhibit Annex III characteristics <sup>8</sup>
B1060	Waste selenium and tellurium in metallic elemental form including powder
B1070	Waste of copper and copper alloys in dispersible form, unless they contain Annex I constituents to an extent that they exhibit Annex III characteristics
B1080	Zinc ash and residues including zinc alloys residues in dispersible form unless containing Annex I constituents in concentration such as to exhibit Annex III characteristics or exhibiting hazard characteristic H4.3 <sup>9</sup>
B1090	Waste batteries conforming to a specification, excluding those made with lead, cadmium or mercury
B1100	Metal-bearing wastes arising from melting, smelting and refining of metals: <ul style="list-style-type: none"><li>• Hard zinc spelter</li><li>• Zinc-containing drosses:<ul style="list-style-type: none"><li>- Galvanizing slab zinc top dross (&gt;90% Zn)</li><li>- Galvanizing slab zinc bottom dross (&gt;92% Zn)</li><li>- Zinc die casting dross (&gt;85% Zn)</li><li>- Hot dip galvanizers slab zinc dross (batch)(&gt;92% Zn)</li><li>- Zinc skimmings</li></ul></li><li>• Aluminium skimmings (or skims) excluding salt slag</li><li>• Slags from copper processing for further processing or refining not containing arsenic, lead or cadmium to an</li></ul>

- extent that they exhibit Annex III hazard characteristics
  - Wastes of refractory linings, including crucibles, originating from copper smelting
  - Slags from precious metals processing for further refining
  - Tantalum-bearing tin slags with less than 0.5% tin
- B1110 Electrical and electronic assemblies:
  - Electronic assemblies consisting only of metals or alloys
  - Waste electrical and electronic assemblies or scrap<sup>10</sup> (including printed circuit boards) not containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or not contaminated with Annex I constituents (e.g., cadmium, mercury, lead, polychlorinated biphenyl) or from which these have been removed, to an extent that they do not possess any of the characteristics contained in Annex III (note the related entry on list A A1180)
  - Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct reuse,<sup>11</sup> and not for recycling or final disposal<sup>12</sup>
- B1115 Waste metal cables coated or insulated with plastics, not included in list A1190, excluding those destined for Annex IVA operations or any other disposal operations involving, at any stage, uncontrolled thermal processes, such as open-burning.
- B1120 Spent catalysts excluding liquids used as catalysts, containing any of:

Transition metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) on list A:	Scandium Vanadium Manganese Cobalt Copper Yttrium	Titanium Chromium Iron Nickel Zinc Zirconium
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	Niobium Hafnium Tungsten	Molybdenum Tantalum Rhenium
Lanthanides (rare earth metals):	Lanthanum Praseodymium Samarium Gadolinium Dysprosium Erbium Ytterbium	Cerium Neodymium Europium Terbium Holmium Thulium Lutetium

- B1130 Cleaned spent precious-metal-bearing catalysts
- B1140 Precious-metal-bearing residues in solid form which contain traces of inorganic cyanides
- B1150 Precious metals and alloy wastes (gold, silver, the platinum group, but not mercury) in a dispersible, non-liquid form with appropriate packaging and labelling
- B1160 Precious-metal ash from the incineration of printed circuit boards (note the related entry on list A A1150)
- B1170 Precious-metal ash from the incineration of photographic film
- B1180 Waste photographic film containing silver halides and metallic silver
- B1190 Waste photographic paper containing silver halides and metallic silver
- B1200 Granulated slag arising from the manufacture of iron and steel
- B1210 Slag arising from the manufacture of iron and steel including slags as a source of TiO<sub>2</sub> and vanadium
- B1220 Slag from zinc production, chemically stabilized, having a high iron content (above 20%) and processed according to industrial specifications (e.g., DIN 4301) mainly for construction
- B1230 Mill scaling arising from the manufacture of iron and steel
- B1240 Copper oxide mill-scale
- B1250 Waste end-of-life motor vehicles, containing neither liquids nor other hazardous components

B2 Wastes containing principally inorganic constituents, which may contain metals and organic materials

- B2010 Wastes from mining operations in non-dispersible form:
  - Natural graphite waste
  - Slate waste, whether or not roughly trimmed or merely cut, by sawing or otherwise
  - Mica waste
  - Leucite, nepheline and nepheline syenite waste
  - Feldspar waste

- Fluorspar waste
  - Silica wastes in solid form excluding those used in foundry operations
- B2020 Glass waste in non-dispersible form:
- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses
- B2030 Ceramic wastes in non-dispersible form:
- Cermet wastes and scrap (metal ceramic composites)
  - Ceramic based fibres not elsewhere specified or included
- B2040 Other wastes containing principally inorganic constituents:
- Partially refined calcium sulphate produced from flue-gas desulphurization (FGD)
  - Waste gypsum wallboard or plasterboard arising from the demolition of buildings
  - Slag from copper production, chemically stabilized, having a high iron content (above 20%) and processed according to industrial specifications (e.g., DIN 4301 and DIN 8201) mainly for construction and abrasive applications
  - Sulphur in solid form
  - Limestone from the production of calcium cyanamide (having a pH less than 9)
  - Sodium, potassium, calcium chlorides
  - Carborundum (silicon carbide)
  - Broken concrete
  - Lithium-tantalum and lithium-niobium containing glass scraps
- B2050 Coal-fired power plant fly-ash, not included on list A (note the related entry on list A A2060)
- B2060 Spent activated carbon not containing any Annex I constituents to an extent they exhibit Annex III characteristics, for example, carbon resulting from the treatment of potable water and processes of the food industry and vitamin production (note the related entry on list A, A4160)
- B2070 Calcium fluoride sludge
- B2080 Waste gypsum arising from chemical industry processes not included on list A (note the related entry on list A A2040)
- B2090 Waste anode butts from steel or aluminium production made of petroleum coke or bitumen and cleaned to normal industry specifications (excluding anode butts from chlor alkali electrolyses and from metallurgical industry)
- B2100 Waste hydrates of aluminium and waste alumina and residues from alumina production excluding such materials used for gas cleaning,

	flocculation or filtration processes
B2110	Bauxite residue (“red mud”) (pH moderated to less than 11.5)
B2120	Waste acidic or basic solutions with a pH greater than 2 and less than 11.5, which are not corrosive or otherwise hazardous (note the related entry on list A A4090)
B2130	Bituminous material (asphalt waste) from road construction and maintenance, not containing tar <sup>13</sup> (note the related entry on list A, A3200)

B3 Wastes containing principally organic constituents, which may contain metals and inorganic materials

B3010	Solid plastic waste: The following plastic or mixed plastic materials, provided they are not mixed with other wastes and are prepared to a specification: <ul style="list-style-type: none"><li>• Scrap plastic of non-halogenated polymers and co-polymers, including but not limited to the following<sup>14</sup><ul style="list-style-type: none"><li>- ethylene</li><li>- styrene</li><li>- polypropylene</li><li>- polyethylene terephthalate</li><li>- acrylonitrile</li><li>- butadiene</li><li>- polyacetals</li><li>- polyamides</li><li>- polybutylene terephthalate</li><li>- polycarbonates</li><li>- polyethers</li><li>- polyphenylene sulphides</li><li>- acrylic polymers</li><li>- alkanes C10-C13 (plasticiser)</li><li>- polyurethane (not containing CFCs)</li><li>- polysiloxanes</li><li>- polymethyl methacrylate</li><li>- polyvinyl alcohol</li><li>- polyvinyl butyral</li><li>- polyvinyl acetate</li></ul></li><li>• Cured waste resins or condensation products including the following:<ul style="list-style-type: none"><li>- urea formaldehyde resins</li><li>- phenol formaldehyde resins</li></ul></li></ul>
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<sup>13</sup> The concentration level of Benzol (a) pyrene should not be 50mg/kg or more.

<sup>14</sup> It is understood that such scraps are completely polymerized.

- melamine formaldehyde resins
  - epoxy resins
  - alkyd resins
  - polyamides
  - The following fluorinated polymer wastes<sup>15</sup>
  - perfluoroethylene/propylene (FEP)
  - perfluoro alkoxy alkane
  - tetrafluoroethylene/per fluoro vinyl ether (PFA)
  - tetrafluoroethylene/per fluoro methylvinyl ether (MFA)
  - polyvinylfluoride (PVF)
  - polyvinylidene fluoride (PVDF)
- B3020 Paper, paperboard and paper product wastes
- The following materials, provided they are not mixed with hazardous wastes:
- Waste and scrap of paper or paperboard of:
- unbleached paper or paperboard or of corrugated paper or paperboard
  - other paper or paperboard, made mainly of bleached chemical pulp, not coloured in the mass
  - paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter)
  - other, including but not limited to 1) laminated paperboard
- 2) unsorted scrap
- B3030 Textile wastes
- The following materials, provided they are not mixed with other wastes and are prepared to a specification:
- Silk waste (including cocoons unsuitable for reeling, yarn waste and garnetted stock)
  - not carded or combed
  - other
  - Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock
  - noils of wool or of fine animal hair
  - other waste of wool or of fine animal hair
  - waste of coarse animal hair
  - Cotton waste (including yarn waste and garnetted stock)
  - yarn waste (including thread waste)
  - garnetted stock

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<sup>15</sup> Post-consumer wastes are excluded from this entry:

- Wastes shall not be mixed
- Problems arising from open-burning practices to be considered

- other
  - Flax tow and waste
  - Tow and waste (including yarn waste and garnetted stock) of true hemp (*Cannabis sativa* L.)
  - Tow and waste (including yarn waste and garnetted stock) of jute and other textile bast fibres (excluding flax, true hemp and ramie)
  - Tow and waste (including yarn waste and garnetted stock) of sisal and other textile fibres of the genus *Agave*
  - Tow, noils and waste (including yarn waste and garnetted stock) of coconut
  - Tow, noils and waste (including yarn waste and garnetted stock) of abaca (Manila hemp or *Musa textilis* Nee)
  - Tow, noils and waste (including yarn waste and garnetted stock) of ramie and other vegetable textile fibres, not elsewhere specified or included
  - Waste (including noils, yarn waste and garnetted stock) of man-made fibres
    - of synthetic fibres
    - of artificial fibres
  - Worn clothing and other worn textile articles
  - Used rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables of textile materials
    - sorted
    - other
- B3035 Waste textile floor coverings, carpets
- B3040 Rubber wastes
- The following materials, provided they are not mixed with other wastes:
- Waste and scrap of hard rubber (e.g., ebonite)
  - Other rubber wastes (excluding such wastes specified elsewhere)
- B3050 Untreated cork and wood waste:
- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms
  - Cork waste: crushed, granulated or ground cork
- B3060 Wastes arising from agro-food industries provided it is not infectious:
- Wine lees
  - Dried and sterilized vegetable waste, residues and by-products, whether or not in the form of pellets, of a kind used in animal feeding, not elsewhere specified or included
  - Degras: residues resulting from the treatment of fatty substances or animal or vegetable waxes

- Waste of bones and horn-cores, unworked, defatted, simply prepared (but not cut to shape), treated with acid or degelatinised
  - Fish waste
  - Cocoa shells, husks, skins and other cocoa waste
  - Other wastes from the agro-food industry excluding by-products which meet national and international requirements and standards for human or animal consumption
- B3065 Waste edible fats and oils of animal or vegetable origin (e.g. frying oils), provided they do not exhibit an Annex III characteristic
- B3070 The following wastes:
- Waste of human hair
  - Waste straw
  - Deactivated fungus mycelium from penicillin production to be used as animal feed
- B3080 Waste parings and scrap of rubber
- B3090 Paring and other wastes of leather or of composition leather not suitable for the manufacture of leather articles, excluding leather sludges, not containing hexavalent chromium compounds and biocides (note the related entry on list A A3100)
- B3100 Leather dust, ash, sludges or flours not containing hexavalent chromium compounds or biocides (note the related entry on list A A3090)
- B3110 Fellmongery wastes not containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list A A3110)
- B3120 Wastes consisting of food dyes
- B3130 Waste polymer ethers and waste non-hazardous monomer ethers incapable of forming peroxides
- B3140 Waste pneumatic tyres, excluding those destined for Annex IVA operations

B4 Wastes which may contain either inorganic or organic constituents

- B4010 Wastes consisting mainly of water-based/latex paints, inks and hardened varnishes not containing organic solvents, heavy metals or biocides to an extent to render them hazardous (note the related entry on list A A4070)
- B4020 Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives, not listed on list A, free of solvents and other contaminants to an extent that they do not exhibit Annex III characteristics, e.g., water-based, or glues based on casein starch, dextrin, cellulose ethers, polyvinyl alcohols (note the related entry on list A A3050)

B4030 Used single-use cameras, with batteries not included on list A

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FOURTH SCHEDULE

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*(Made under regulation 16 (1) )*

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LIST OF HAZARDOUS CHARACTERISTICS

UN Class	Code	Characteristics
1	H1	Explosive An explosive substance or waste is a solid or liquid substance or waste (or mixture of substances or wastes) which is in itself capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings.
3	H3	Flammable liquids The word “flammable” has the same meaning as “inflammable”. Flammable liquids are liquids, or mixtures of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers, etc., but not including substances or wastes otherwise classified on account of their dangerous characteristics) which give off a flammable vapour at temperatures of not more than 60.5°C, closed-cup test, or not more than 65.6°C, open-cup test. (Since the results of open-cup tests and of closed-cup tests are not strictly comparable and even individual results by the same test are often variable, regulations varying from the above figures to make allowance for such differences would be within the spirit of this definition.)
4.1	H4.1	Flammable solids Solids, or waste solids, other than those classed as explosives, which under conditions encountered in transport are readily combustible, or may cause or

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

4.2	H4.2	contribute to fire through friction. Substances or wastes liable to spontaneous combustion Substances or wastes which are liable to spontaneous heating under normal conditions encountered in transport, or to heating up on contact with air, and being then liable to catch fire.
4.3	H4.3	Substances or wastes which, in contact with water emit flammable gases Substances or wastes which, by interaction with water, are liable to become spontaneously flammable or to give off flammable gases in dangerous quantities.
5.1	H5.1	Oxidizing Substances or wastes which, while in themselves not necessarily combustible, may, generally by yielding oxygen cause, or contribute to, the combustion of other materials.
5.2	H5.2	Organic Peroxides Organic substances or wastes which contain the bivalent-o-o-structure are thermally unstable substances which may undergo exothermic self-accelerating decomposition.
6.1	H6.1	Poisonous (Acute) Substances or wastes liable either to cause death or serious injury or to harm human health if swallowed or inhaled or by skin contact.
6.2	H6.2	Infectious substances Substances or wastes containing viable micro organisms or their toxins which are known or suspected to cause disease in animals or humans.
8	H8	Corrosives Substances or wastes which, by chemical action, will cause severe damage when in contact with living tissue, or, in the case of leakage, will materially damage, or even destroy, other goods or the means of transport; they may also cause other hazards.
9	H10	Liberation of toxic gases in contact with air or water Substances or wastes which, by interaction with air or water, are liable to give off toxic gases in dangerous quantities.
9	H11	Toxic (Delayed or chronic) Substances or wastes which, if they are inhaled or

9	H12	ingested or if they penetrate the skin, may involve delayed or chronic effects, including carcinogenicity. Ecotoxic Substances or wastes which if released present or may present immediate or delayed adverse impacts to the environment by means of bioaccumulation and/or toxic effects upon biotic systems.
9	H13	Capable, by any means, after disposal, of yielding another material, e.g., leachate, which possesses any of the characteristics listed above.

FIFTH SCHEDULE

*(Made under regulation 16 (1))*

FORMS  
(To be completed in triplicate)

Form No. 1

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



APPLICATION/RENEWAL FOR A PERMIT FOR.....OF HAZARDOUS  
WASTE\*

I hereby apply for a permit to collect/store/transport hazardous waste. The particulars of the application are given below:

Name and physical address of Applicant.....

TIN Number .....

Type of hazardous waste.....

Environmental Management (Hazardous Waste Control and Management)

GN NO. 676 (contd)

Source of hazardous waste.....  
Mode of hazardous waste collection.....  
Location(s) and size (in square meters) of the waste storage facility, if any.....  
If handling liquid hazardous waste, specify type and size of containers to be used.....  
Collection schedule .....

Intended Recipient(s) of the hazardous waste.....

Any other relevant information.....  
Is Application for: Initial permit Renewal  
Previous Permit Number .....

Date: ..... Signature: .....  
Designation/Title: .....

FOR OFFICIAL USE ONLY

Application received by .....on ..... 20.....  
Application Fee paid Tshs.....(in words).....

\* *Please fill the intended activity for which the permit is sought. This includes collection or storage or transportation of hazardous waste.*

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



PERMIT TO.....HAZARDOUS WASTE\*

*(Issued pursuant to regulations 18, 21 and 24 of the Environmental Management (Hazardous Waste Control and Management) Regulations of 2019)*

Permit No.....

This is to certify that

..... of P.O Box..... has been granted a permit to..... (type of hazardous waste) in Mainland Tanzania.

This permit is valid for a period of twelve months starting from .....to..... unless revoked or suspended.

*Terms and conditions for this permit are set out overleaf.*

Name.....

Date.....

Signature.....

Minister responsible for environment

\* *Please fill the intended activity for which the permit is granted. This includes collection or storage or transportation of hazardous waste.*

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



APPLICATION OR RENEWAL FOR A PERMIT FOR OWNING, OPERATING PLANT ,  
FACILITY OR SITE FOR HAZARDOUS WASTE

*(Made under regulation 16 (2) and 27(1))*

I hereby apply for a permit to own/operate treatment plant or disposal facility or site for hazardous waste. The particulars of the application are given below:

Name and physical address of Applicant.....

TIN Number .....

Location and district of plant/facility/site .....

Approval of Town/Country Planning Authority.....

Description of types of hazardous waste to be treated/ disposed of at plant/facility/site.....

Capacity of the treatment or disposal facility per annum (tonnes).....

Type of treatment option to be used for:

(a) Recovery and reclamation.....

(b) Recycling.....

Type of hazardous waste disposal option:

(a) Containment in impermeable layers.....

(b) Solidification .....

(c) Sanitary land filling .....



THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



PERMIT TO OWN/OPERATE PLANT/ FACILITY/ SITE FOR  
.....HAZARDOUS WASTE

*(Issued pursuant to regulation 28 of the Environmental Management (Hazardous Waste Control and Management) Regulations of 2019)*

Permit No.....

This is to certify that

.....of P.O Box..... has been granted a permit to own/operate a plant/facility/site for ..... of Hazardous waste at ..... (Plot No., town, ward, district, region) in Mainland Tanzania.

This permit is valid for a period of twelve months starting from .....to..... unless revoked or suspended.

*Terms and conditions for this permit are set out overleaf.*

Name.....

Date.....

Signature.....

Minister Responsible for Environment

*\*Please fill in the intended activity for which the permit is granted. This includes treatment or recovery or recycling or disposal of hazardous waste.*

THE UNITED REPUBLIC OF TANZANIA  
 VICE PRESIDENT'S OFFICE



TRACKING DOCUMENT FOR TRANSPORT, TREATMENT, RECYCLING, REUSE,  
 RECOVERY OR DISPOSAL OF HAZARDOUS WASTE

(To be completed in Five Copies) \*

(Issued pursuant to regulations 17(1) (g) 19(l), 20(1)(i), 22(l),  
 23(1)(h), 25(j), 27(k), and 29(j))

<p>A Transporter</p>	<p>Serial No.....          Registered Name of Transporter.....          Municipality/District of operation.....          Permit number .....          Issuing Authority .....</p>
<p align="center">CONSIGNMENT NOTE FOR THE TRANSPORT AND TREATMENT OR DISPOSAL OF          HAZARDOUS WASTE</p>	
<p>B Description of the hazardous waste</p>	<p>Source of the waste.....          Type of waste.....          Description and physical nature of hazardous waste.....          Quantity of hazardous waste.....          Size and number of Containers, if applicable.....</p>
<p>C Treatment, Recycling, Reuse, Recovery or Disposal Facility Owner/Operator's Certification</p>	<p>I certify that I have received the waste as described in A and B above.</p> <p>The hazardous waste was delivered in vehicle or other means of transportation.....  <i>(Registration No.)</i> at.....<i>(time)</i> on.....  <i>(date)</i> and the carrier gave his/her name as.....          on behalf of.....</p> <p>The hazardous waste shall be treated/disposed as per Owner/Operator Permit No.....issued by.....<i>(issuing Authority)</i>.          Signature:.....</p>

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

	Name: ..... Position:..... Date: ..... On behalf of (in case the Recipient is not the Permit holder):.....
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\* Original (Yellow) – Director of Environment: Copy 1. (Pink) – Local Government Authority: Copy 2. (Blue) – Source of Hazardous Waste: Copy 3. (Green) – Recycler/Re-User/Disposer of Hazardous Waste: Copy 4. (Brown) - Transporter

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

Form No. 6

*(Made under regulation 33(1), 36, 39 and 42)*  
NOTIFICATION DOCUMENT

1	Exporter (name, address):	3	Notification concerning (1):	
		A	(i) Single Movement	B (i) Disposal (no recovery)
			(ii) General notification	(ii) Recovery operation
Contact person:		Tel:		(multiple movements)
		Fax/T		Pre-authorized <input type="checkbox"/> Ye <input type="checkbox"/> No <input type="checkbox"/>
Reason for export:			Facility Registration Number (if Yes)	
2	Importer (name, address):	(To be completed for a recovery facility located in an OECD State)		
		4	Total intended number of shipments	5 Estimated quantity (3) kg
Contact person:		Tel:		litres
		Fax/T elex:		
7.	Intended carrier(s)* (name, address) (2):	8	Disposer (name, address)	
Contact person:		Tel:		
		Fax/T elex:		
10	Waste generator(s) (name, address) (2):	Contact person:		Tel:
			Actual site of disposal:	Fax/Tele x:
		9	Method(s) of disposal:	
Contact person:		Tel:	D code / R code (4):	
		Fax/T elex:	Technology employed (Attach details if necessary):	

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

1 1 .	Site of generation & process:		1 1 .	Mode(s) of transport (4):	1 2 .	Packaging Type(s) (4):
1 3 .	(i) Designation and chemical composition of the waste		(ii) Special handling requirements		1 4 .	Physical characteristics
1 5 .	Waste identification code				1 7 .	Y-number (4):
	in country of export:		IWC:			
	in country of import:		EW C:		1 8 .	H-number (4):
	Customs Code H.S:		Other (specify):			
1 6 .	OECD classification (1):	19.	(i) UN identification:		(ii)	UN class (4):
	amber red and number:		UN Shipping name:			
	other		(attach details)			
2 0 .	Concerned states, code number of Component authorities, and specific points of entry and exit:					
	State of Export	States of transit		State of Import		
2 1 .	Customs offices of entry and/or departure (European-Community):	2 3 .	Exporter's/Generators declaration:			
	Entry		I certify that the above information is complete and correct to my best knowledge. I also certify that legally-enforceable written contractual obligations have been entered into and that any applicable insurance or other financial guarantees are or shall be in force covering the transboundary movement.			
	Departure:	2 2.	Number of annexes attached		Signature:	
			Name:			
			Date:			

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

For use by competent authorities			
2 4 .	To be completed by	- Import (EEC, OECD)	2 5 .
Notification received on:		- transit (Basel)	Consent to the movement provided by the Competent Authority of (country):
		Consent given on:	Consent expires on:
Acknowledgment sent on:		Specific	Yes. See block 26
			No.
Name of Competent Authority, stamp and/or signature:		Name of Competent Authority, stamp and/or signature:	

- (1) Enter X in appropriate box  
 (3) Attach a list if multiple shipment

- (2) Attach a list if more than one  
 (4) See codes on the reverse

LIST OF ABBREVIATIONS USED IN THE NOTIFICATION FORM

DISPOSAL (NO RECOVERY) (Block 9)		RECOVERY OPERATIONS (Block 9)	
D 1	Deposit into or onto Land, (e.g., Landfill, etc.)	R 1	Use as a fuel (other than in direct incineration) or other means to generate energy
D 2	Land treatment, (e.g., biodegradation of liquid or sludgy discards in soils, etc...)		
D 3	Deep Injection, (e.g., injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)	R 2	Solvent reclamation/regeneration
D 4	Surface impoundment, (e.g., placement of liquid or sludge discards into pits, ponds or lagoons, etc...)	R 3	Recycling/reclamation of organic substances which are not used as solvents
D 5	Specially engineered landfill, (e.g., placement onto lined discrete cells which are capped and isolated from one another and the environment, etc...)	R 4	Recycling/reclamation of metal compounds
D 6	Release into water body except seas/oceans	R 5	Recycling/reclamation of other inorganic materials
D 7	Release into seas/oceans including sea-bed insertion	R 6	Regeneration of acid or bases
D 8	Biological treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any operations number D1 to D12	R 7	Recovery of components from used for pollution abatement
D 9	Physico-chemical treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, (e.g., evaporation, drying, calcination etc.)	R 8	Recovery of components from catalysts
D 10	Incineration on land	R 9	Used oil re-refining or other reuses of previously used oil
D 11	Incineration at sea	R 10	Land treatment resulting in benefit to agricultural or ecological improvement
D 12	Permanent Storage, (e.g., emplacement in containers in a mine, etc.)	R 11	Uses of residual material obtained from any of the operations numbered R 1 to R10
D 13	Blending or mixing prior to submission to any of the operations numbered D1 to D12	R 12	Exchange of wastes for submission to any of the operations numbered R1 to R11
D	Repackaging prior to submission to any of the	R 13	Accumulation of material intended for any operations numbered R1 to R12

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

14	operations number D1 to D12.			
D15	Storage pending any of the operations D1 to D12.			
			H NUMBER (Block 18) AND UN CLASS (Block 19)	
	MODES OF TRANSPORT (Block 11)	PACKAGING TYPES (Block 12)	U Class	H number
R	Road	1 Drum	1 H1	Explosive
		2 Wooden Barrel	3 H3	Inflammable liquids
T	Train/Rail	3 Jerrican	4.1 H4.1	Inflammable solids
		4 Box	4.2 H4.2	Substances or wastes liable to spontaneous combustion
S	Sea	5 Bag		
		6 Composite Packaging	4.3 H4.3	Substances or waste which, in contact with water, emit inflammable gases
A	Air	7 Pressure receptacle		
		8 Bulk	5.1 H5.1	Oxidizing
W	Inland Waterways	9 Other (Specify	5.2 H5.2	Organic peroxides
			6.1 H6.1	Poisonous (acute)
	PHYSICAL CHARACTERISTICS (Block 14)		6.2 H6.2	Infectious substances
			8 H8	Corrosives
1	Powdery/powder	5 Liquid	9 H10	Liberation of toxic gases in contact with air
2	Solid	6 Gaseous		or water
3	Viscous/paste	7 Other (specify)	9 H11	Toxic (delayed or chronic)
4	Sludgy		9 H12	Ecotoxic
			9 H13	Capable, after disposal, of yielding another material, e.g. leachate, which possesses any of the characteristics listed above
	Y numbers (block 17) refer to categories of waste listed in Annex I and II of the Basel Convention. These codes, as well as more detailed information can be found in <i>an instruction manual available from the Secretariat of the Basel Convention.</i>			
2	SPECIFIC CONDITIONS ON CONSENTING TO THE MOVEMENT			
6.				

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

Form No. 7

**MOVEMENT DOCUMENT**  
(Made under regulation 33(1), 36, 39, 40 and 42)

1 i) Exporter (name, address)		3 Corresponding to Notification:		4. Serial number of shipment	
		Movement subject of (1)		single notification	
Contact person:		Tel:		general notification	
		Fax/Tellex:		8. Disposal (name, address)	
1 ii) Waste generator (name, address) (1)		Contact person:		Tel:	
Contact person:		Tel:		Fax/Tellex:	
		Fax/Tellex:		Actual site of disposal:	
Site of generation:					
2 Importer (name, address)		9. Method(s) of disposal:			
		D code / R code (3):			
		Technology Employed *:			
Contact person:		Tel:			
		Fax/Tellex:		*(Attach details if necessary)	
5 1st Carrier (name, address):		6. 2nd Carrier (name, address) (4):		7. Last carrier (name, address):	
Registration No:		Registration No:		Registration No:	
Tel:	Fax/Tellex:	Tel:	Fax/Tellex:	Tel:	Fax/Tellex:
1 Identity of means of transport (3)		1 Identity of means of transport (3)		1 Identity of means of transport (3)	

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

Date of transfer:		Date of transfer:		Date of transfer:	
Signature of Carrier's Representative		Signature of Carrier's Representative		Signature of Carrier's Representative	
1 3 .		Designation and chemical composition of the waste		1 4. Physical characteristics (3)	
				1 7. Actual quantity	
				1 8. Packages (2)	
1 5 .		Waste identification code		kg Type:	
in country of export:		IWIC:		litres Number:	
in country of import:		EWC:		1 9. UN Classification	
Customs code (H.S.):		Other (specify):		UN Shipping Name:	
1 6 .		OECD Classification(1)		UN Identification:	
		amber		UN class (3):	
		other		H Number (3): Y Number:	
2 0 .		Special handling instructions (including in case of accidents)		2 2. Exporter's declaration:	
				I certify that the information in blocks 1 to 9 and 13 to 21 above is complete and correct to the best of my knowledge. I also certify that legally-enforceable written contractual obligations have been entered into, that any applicable insurance or other financial guarantees are in force covering the transboundary movement, and that all necessary authorizations have been received from the competent authorities of the States concerned.	
2 1 .		Actual date of shipment		Name Signature:	
				Date:	
TO BE COMPLETED BY IMPORTER/DISPOSER					
2 3 .		Shipment received by Importer on (if not Disposer):		2 5. I certify that the disposal/recovery of the waste	
Quantity		kg/litres		accepted described above has been	

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

Date:			rejected(5)		
Name:		Signature:			Date:
2	Shipment received at Disposer on:				Name:
4		kg/litres	accepted		Signature and Stamp:
Quantity received:					
Date:			rejected(5)		
Name:		Signature:			
Approximate date of disposal:					
Method of disposal:					

- (1) Attach list, if more than one  
 (2) Enter X in appropriate boxes  
 (3) See codes on the reversed in (4) If more than three carriers attach information as require blocks 6 and 11  
 (5) Immediately contact Competent Authority

LIST OF ABBREVIATIONS USED IN THE MOVEMENT DOCUMENT

	DISPOSAL (NO RECOVERY) (Block 9)		RECOVERY OPERATIONS (Block 9)
D 1	Deposit into or onto Land, (e.g., Landfill, etc.)	R1	Use as a fuel (other than in direct incineration) or other means to generate energy
D 2	Land treatment, (e.g., biodegradation of liquid or sludgy discards in soils, etc...)	R2	Solvent reclamation/regeneration
D 3	Deep Injection, (e.g., injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)	R3	Recycling/reclamation of organic substances which are not used as solvents
D 4	Surface impoundment, (e.g., placement of liquid or sludge discards into pits, ponds or lagoons, etc...)	R4	Recycling/reclamation of metal compounds
D 5	Specially engineered landfill, (e.g., placement onto lined discrete cells which are capped and isolated from one another and the environment, etc...)	R5	Recycling/reclamation of other inorganic materials
D 6	Release into water body except seas/oceans	R6	Regeneration of acid or bases
D 7	Release into seas/oceans including sea-bed insertion	R7	Recovery of components from used for pollution abatement
D 8	Biological treatment not specified elsewhere in this list which results in final	R8	Recovery of components from catalysts
	compounds or mixtures which are discarded by means of any operations	R9	Used oil re-refining or other reuses of previously used oil
	number D1 to D12	R10	Land treatment resulting in benefit to agricultural or eco- logical improvement

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

D 9	Physico-chemical treatment not specified elsewhere in this list which results in final			R1 1	Uses of residual material obtained from any of the operations	
	compounds or mixtures which are discarded by means of any operations D1 to				numbered R1 to R10	
	numbered D12, (e.g., evaporation, drying, calcination etc.)			R1 2	Exchange of wastes for submission to any of the operations numbered	
D 10	Incineration on land				R1 to R11	
D 11	Incineration at sea			R1 3	Accumulation of material intended for any operations numbered R1 to R2	
D 12	Permanent Storage, (e.g., emplacement in containers in a mine, etc.)					
D 13	Blending or mixing prior to submission to any of the operations numbered				H NUMBER AND UN CLASS (Block 19)	
	D1 to D12			UN Class/	H Number	
D 14	Repackaging prior to submission to any of the operations number D1 to D12.			1	H1	Explosive
D 15	Storage pending any of the operations D1 to D12.			3	H3	Inflammable liquids
				4.1	H4.1	Inflammable solids
	PACKAGING TYPES (Block 18)		MODES OF TRANSPORT (Blocks 10 – 12)	4.2	H4.2	Substances or wastes liable to spontaneous combustion
1	Drum	6 Composite Packaging	R = Road	4.3	H4.3	Substances or waste which, in contact with
2	Wooden Barrel	7 Pressure receptacle	T = Train/Rail			water, emit inflammable gases
3	Jerrican	8 Bulk	S = Sea	5.1	H5.1	Oxidizing
4	Box	9 Other (Specify)	A = Air	5.2	H5.2	Organic peroxides
5	Bag		W Inland Waterways	6.1	H6.1	Poisonous (acute)
	PHYSICAL CHARACTERISTICS (Block 14)			6.2	H6.2	Infectious substances
1	Powdery/powder	5 Liquid		8	H8	Corrosives
2	Solid	6 Gaseous		9	H10	Liberation of toxic gases in contact with air or water
3	Viscous/paste	7 Other (specify)				
4	Sludgy			9	H11	Toxic (delayed or chronic)
				9	H12	Ecotoxic
				9	H13	Capable, after disposal, of yielding another
						material, e.g. leachate, which possesses any of the
						characteristics listed above.
FOR USE BY CUSTOMS OFFICERS						

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

2 6.	COUNTRY OF EXPORT/DISPATCH OR CUSTOMS OFFICE OF EXIT	2 8.	STAMPS OF CUSTOM OFFICES OF TRANSIT COUNTRIES			
		Name of Country (2):		Name of Country (2):		
The waste described overleaf has left						
the country on:		Entry	Departure	Entry	Departu re	
Stamp:						
Signat ure:						
2 7.	COUNTRY OF IMPORT/DESTINATION		Name of Country (2):		Name of Country (2):	
The waste described overleaf has entered						
the country on:		Entry	Departure	Entry	Departu re	
Stamp:						
Signatur e:						

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



PERMIT FOR EXPORT OF HAZARDOUS WASTE

*(Issued pursuant to regulation 34 of the Environmental Management (Hazardous Waste Control and Management) Regulations of 2019)*

Permit No.....

This is to certify that

.....of P. O. Box..... has been granted a  
permit to export.....(type of hazardous waste)  
to.....(name of the country of import) with a quantity or volume  
of .....(tonnes or litres).

This permit shall relate to the specific export transaction and intended schedule of shipment declared in the Movement Document, unless revoked or suspended.

The permit shall not be valid for any subsequent export transaction.

*Terms and conditions for this permit are set out overleaf.*

Name.....

Date.....

Signature.....

Minister responsible for Environment

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



PERMIT FOR IMPORT OF HAZARDOUS WASTE

*(Issued pursuant to regulation 37 of the Environmental Management (Hazardous Waste Control and Management) Regulations of 2019)*

Permit No.....

This is to certify that

.....of P. O. Box..... has been granted a  
permit to import.....(type of hazardous waste) to  
Mainland Tanzania with a quantity or volume of.....(tonnes or litres).

This permit shall relate to the specific import transaction and intended schedule of shipment  
declared in the Movement Document, unless revoked or suspended.

The permit shall not be valid for any subsequent import transaction.

*Terms and conditions for this permit are set out overleaf.*

Name.....

Date.....

Signature.....

Minister responsible for Environment

THE UNITED REPUBLIC OF TANZANIA  
VICE PRESIDENT'S OFFICE



PERMIT FOR TRANSIT OF HAZARDOUS WASTE

*(Issued pursuant to regulation 40 of the Environmental Management (Hazardous Waste Control and Management) Regulations of 2019)*

Permit No.....

This is to certify that

..... of P. O. Box..... has been granted a permit to transit.....(type of hazardous waste) through Mainland Tanzania at.....(entry point) and..... (exit point) with a quantity or volume of .....(tonnes or litres).

This permit shall relate to the specific transit transaction and intended schedule of shipment declared in the Movement Document, unless revoked or suspended.

The permit shall not be valid for any subsequent transit transaction.

*Terms and conditions for this permit are set out overleaf.*

Name.....

Date.....

Signature.....

Minister responsible for Environment

FORM OF RECORDS  
(Made under regulation 58)

Type of activity:.....

Date	Type of waste	Source of waste	Amount of waste

FORMAT OF THE BI- ANNUAL REPORT  
(Made under regulation 59)

- 1) Introduction
  - This Chapter shall provide general profile of the business or company including location, main activities, employees, annual turnover, and permits and lincenses.
- 2) Hazardous waste management
  - This Chapter shall describe the type and amount of hazardous waste being handled, source and recipient of waste.
  - It may also indicate trend in amount of hazardous waste handled over the past years since the operation of the business or company.
- 3) Challenges
  - This Chapter shall highlight challenges being encountered in the permitted activity.
- 4) Comments or Recommendations, if any
- 5) Attachments

- The permit holder shall attach the following documents:
  - i) business licence;
  - ii) Certificate of Incorporation and Memorandum and Articles of Association, in case of a company;
  - iii) Tax clearance form;
  - iv) relevant contract agreements;
  - v) relevant permit(s) from other Authorities;
  - vi) Emergency Response Plan;
  - vii) Tracking Document; and
  - viii) Form of records.

SIXTH SCHEDULE

*(Made under regulation 45)*

CATEGORIES OF HEALTH CARE WASTE

1.	Infections Waste	Waste suspected to contain pathogens e.g. laboratory culture, waste from isolation wards, tissues (swabs), materials, or equipment that have been in contact with tubings, catheters, IGS toxins, live or attenuated vaccines, soiled plaster casts and other materials contaminated with blood infected patients, excreta.
2.	Pathological waste	Human and animal tissues or fluids, e.g. body parts blood and other body fluids, fetuses, animal carcasses.
3.	Sharps	Sharp waste e.g. needles, infusion sets, scalpels, knives blades, broken glass that may cause puncture and cuts. This includes both used and unused sharps.
4.	Pharmaceutical waste	Waste containing pharmaceutical e.g. pharmaceuticals that are expired or no longer needed; items contaminated by or containing pharmaceuticals (bottles, boxes).
5.	Genotoxic Waste	Waste containing substances with genotoxic properties, e.g. waste containing cytostatic drug (often used in cancer

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

		therapy), genotoxic chemicals.
6.	Chemical waste	Waste containing chemical substances e.g. laboratory reagents; film developer, disinfectants, (disinfectants) that are expired or no longer needed solvents.
7.	Wast with high content of heavy metals.	Batteries, broken thermometers, blood-pressures gauges, etc.
8.	Pressurizes containers	Gas cylinders, gas cartridges, aerosol cans.
9.	Radioactive waste	Waste containing radioactive substances e.g. unused liquids from radiotherapy or laboratory research, contaminated glassware, packages, or absorbent paper, urine and excreta from patients treated or tested with unsealed radionuclides, sealed sources.
10.	General solid waste	Waste generated from offices, kitchens, packaging material from stores.
11.	Microorganisms	Any biological entity, cellular or non-cellular capable or replication or of transferring genetic material.

SEVENTH SCHEDULE

*(Made under regulation 46)*

COLOUR CODE FOR HEALTH CARE WASTE ADOPTED FROM THE World Health Organisation COLOUR CODE

	Type	Colour of Container and markings	Type of Container
1.	Infections	Yellow	Strong leak proof-plastic gag with biohazard symbol
2.	Pathological	Yellow	Strong leak proof-plastic bag with biohazard symbol.
3.	Sharps	Yellow-(marked "SHARPS")	Puncture proof
4.	Chemical and Pharmaceutical	Brown	Plastic bag or container
5.	Non-infectious/non	Black	Plastic bag or container

*Environmental Management (Hazardous Waste Control and Management)*

GN NO. 676 (contd)

	Hazardous (non-clinical)		
6.	Radioactive waste	Any, but with radiation hazard symbol	Lead box, labelled with radioactive symbol
7.	General healthcare waste	Black	Plastic bag or container

*Infectious, Pathological and Sharp waste should also be marked with the international biohazard symbol.*

*Chemicals should also be marked with the appropriate international chemical hazard symbol*

*Note:*

- 1) *Colour coding of waste categories with multiple treatment options as defined in the Seventh Schedule, shall be selected depending on treatment option chosen, which shall be as specified in the Seventh Schedule.*
- 2) *Collection bags for waste types needing incineration shall not be made of chlorinated plastics.*

EIGHTH SCHEDULE

*(Made under regulation 47)*

TREATMENT METHODS OF HEALTH CARE WASTES

WASTE CATEGORY	TREATMENT METHOD
Contaminated animal carcasses	Incineration
Cultures and stock	Steam sterilization
Contaminated bedding/patient care waste	Steam sterilization or Incineration
Contaminated small equipment	Steam sterilization or incineration
Contaminated large equipment	Formaldehyde decontamination
Waste Biological	Steam sterilization or incineration
Surgery waste	Steam sterilization or incineration
Human blood	Steam sterilization or incineration
Autopsy waste	Incineration
Human blood products	Steam sterilization or Incineration
Contaminated laboratory waste	Steam sterilization
Pathological waste	Steam sterilization or Incineration/Grinding
Dialysis unit waste	Steam sterilization
Contaminated and unused sharps	Steam sterilization and incineration/grinding
Pharmaceutical waste	See separate Pharmaceutical waste guidelines
Anti-neoplastic drug waste	Incineration
Low level radioactive waste	Consult Tanzania Atomic Energy Agency

*Environmental Management (Hazardous Waste Control and Management)*

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GN NO. 676 (contd)

*Note:*

- 1) *Chemical treatment using at least 1% hypochlorite solution or any other equivalent chemical reagent. It must be ensured that the chemical treatment.*
- 2) *Mutilation or shredding must be such so as to prevent unauthorized reuse.*
- 3) *There will be no chemical pre-treatment before incineration.*
- 4) *Chlorinated plastics shall not be incinerated.*
- 5) *Deep burial shall be an option available only in towns with population less than five hundred thousand and in rural areas.*

Dodoma,  
10<sup>th</sup> September, 2019

GEORGE B. SIMBACHAWENE  
*Minister of State, Vice-  
President's Office Union Affairs and  
Environment*