	Work Instruction	Camden Power Station
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**Compiled /
Reviewed by**



**F.N Sithole
Senior Advisor
Environmental**

Date: **08.03.2022**

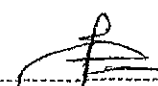
**Functional
Responsibility**



**T Mpongo
Manager
Environmental**

Date: **08.03.22**

Authorized by



**J Bore
General Manager**

Date: **08/3/22**

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1. Introduction

The procedure will focus on addressing all waste related issues and will outline the process of handling, collection and disposal of all waste streams that will be generated during Camden Power Station's operations.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

The purpose of this procedure is to guide Camden Power station's employees and its contractors on how to handle, store, treat and dispose waste and again to ensure that all waste related legislations and regulations are not contravened in any way during the process.

2.1.2 Applicability

This document is applicable to all the persons affecting/influencing Camden Power Station's Environmental Management System and all the waste streams produced.

This document is effective from the day it is authorised by the approving manager.

2.1.3 Normative References

- Business organizational Roles and Responsibilities 004/2554
- 32- 245 Eskom waste management standard
- 32-727 Eskom SHEQ Policy

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2.1.4 Informative References

- SANS 14001:2015
- ISO 14001:2015- Environmental Management Systems- Requirements with guidance for use
- National Environmental Management Act (Act No 107 of 1998)
- National Environmental Management Waste Act (Act No 59 of 2008)

2.2 Definitions

- **Environmental Management System:** Used to manage environmental aspects, fulfil compliance obligations and address risks and opportunities
- **Environment:** Surroundings in which an organisation operates, including air, water, land, natural resources, flora, fauna, humans and their interrelationships
- **Environmental aspects:** Element of an organisation's activities or products or services that interacts or can interact with the environment
- **Waste:** means
 - (a) any substance, material or object, that is unwanted, rejected, abandoned, discarded or disposed of, or that is intended or required to be discarded or disposed of, by the holder of that substance, material or object, whether or not such substance, material or object can be re-used, recycled or recovered and includes all wastes as defined in Schedule 3 to this Act; or
 - (b) any other substance, material or object that is not included in Schedule 3 that may be defined as a waste by the Minister by notice in the Gazette,
 - (i) but any waste or portion of waste, referred to in paragraphs (a) and (b), ceases to be a waste-

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- (ii) once an application for its re-use, recycling or recovery has been approved or, after such approval, once it is, or has been re-used, recycled or recovered;
 - (iii) where approval is not required, once a waste is, or has been re-used, recycled or recovered;
 - (iv) where the Minister has, in terms of section 74, exempted any waste or a portion of waste generated by a particular process from the definition of waste; or
 - (v) where the Minister has, in the prescribed manner, excluded any waste stream or a portion of a waste stream from the definition of waste.
- **Recycling:** A process where waste is reclaimed for further use, which process involves the separation of waste from a waste stream and the processing of that separated material as a product or raw material.
 - **Re-use:** To utilise „articles or effluent“ from the waste stream again for a similar or different purpose to reduce using resource. At Camden water is re-used for different purposes as the quality decline to the point of ashing and fulfilling the Zero Liquid Effluent Discharge
 - **Storage:** The accumulation of non-recyclable waste in a manner that does not constitute treatment or disposal of that waste.

2.3 Abbreviations

Abbreviation	Explanation
EMS	Environmental Management System
N/A	Not Applicable
SHEQ	Safety Health Environmental & Quality

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Abbreviation	Explanation
HWSY	Hazardous Waste Storage Yard

2.4 Roles and Responsibilities

Roles and responsibilities of this document or relevant to the content of this documents are outlined in the Business organizational roles and responsibility policy.

2.5 Process for Monitoring

Implementation of this work instruction will be monitored and assessed during internal reviews/assessments and /or external audits and reviews to assess adherence to the work instruction verification of data and ensure that waste is being managed effectively and correct figures reported.

2.6 Related/Supporting Documents

32-245 Eskom Waste Management Standard.

3. Camden Power Station Communication Process

To outline the internal and external communication relating to Camden Power Station's Environmental Management System

3.1 Management of waste streams

3.1.1 On-site Waste Management (Handling, storage, Collection, Transportation and disposal)

The management of waste at Camden Power Station shall be undertaken in a manner, which minimizes environmental impacts. All waste generated shall be disposed of in a registered landfill or incineration site.

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3.1.2. Minimum requirements for Waste Storage Containers:

- a) All waste containers must be sufficient strength and structural integrity to ensure that it is unlikely to burst or leak in its ordinary use.
- b) Containers must be handled in accordance with the appropriate safety requirements and any waste lost during hr opening, handling and storage must be contained.
- c) Waste must be store in covered containers except for when waste is added or emptied
- d) Waste containers used for the storage of waste shall not be corroded; they shall be intact to prevent any spillages
- e) All containers shall have proper lids to prevent windblown little or rain access
- f) In instances where colour coding is used, the waste receptacle shall be clearly marked "Hazardous waste" and the kind of hazardous waste stored e.g. hazardous waste-oily rags
- g) All waste must not be stored for more than 90 days at the hazardous waste storage yard
- h) Access to the hazardous waste storage facility must be strictly controlled to prevent unauthorised entry.
- i) More information on the minimum requirements for waste storage is stipulated in Eskom Procedure 32-245

3.1.3. Cooling Tower Sludge

Cooling tower sludge accumulates with the operation of the cooling tower system.

- a) The sludge is removed from the cooling tower ponds and dried.
- b) The sludge shall be classified to determine correct disposal
- c) The sludge should be disposed of according to its classification

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3.1.4. General waste

- a) Satellite collection bins/drums and skips shall be placed strategically throughout the station
- b) The cleaning services contractor/s shall collect general waste from the satellite bin and place this waste into skips designated for this type of waste.
- c) The appointed waste management contractor transports the skips to the permitted landfill site.
- d) Records of all waste disposed of as well as of the valid licence/permit/registration documents for the waste handler/s and disposal site/s, will be kept by the Environmental Management Department for reporting purposes.
- e) General waste is generally mixed waste comprising of paper, wood, plastic, glass, garden refuse, perishable food-stuff refuse and other non-hazardous material.
- f) However, waste paper shall be shredded before disposal. When a truck load of waste paper is available, it will be transported to the waste recycling contractor.
- g) Garden refuse will be disposed as general waste and disposed of at the designated disposal site.

3.1.5. Asbestos

- a) Asbestos stripping and handling on site will be done by the suitable, registered service provider and the Occupational Hygiene Officer shall monitor.
- b) Asbestos waste must be disposed of in double impermeable sealed and labelled plastic bags or in a leak proof container, capable of sealing properly in order to prevent spillages
- c) Asbestos shall be stripped in accordance with an approved plan as accepted by the Department of Labour.

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- d) The company, responsible for removing and disposing of the waste, must comply with Eskom's safety and health regulations on site and must provide safety equipment to the safe handling of the waste. He must also provide an Emergency Response procedure with the actions to be taken in the event of spillages during loading and transportation

3.1.6. Building rubble

- a) All building rubble is reclaimed back for filling and soil erosion control provided the Environmental Section as conforming to legal requirements has verified the quality and the quantity of the waste.
- b) The Environmental Section will indicate where the building rubble can be disposed.

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- c) Building rubble should be weighed before disposal and the weigh bridge ticket must be sent to environmental department for reporting purposes

3.1.7. Medical waste

- a) Medical waste is generated in the clinic at the station, which caters for the basic medical requirements of the workers/contractors and which provide assistance in case of emergencies. The medical waste stream would normally contain used bandages, needle, syringes, dressings, medicine containers, tissues and similar items. Medical waste is classified as a hazardous waste as it can cause infections.
- b) Medical waste will be collected as to when required.
- c) Waste will be removed according to the contracted agreement and records will be kept by the Medical centre with support by the Environmental Management Department.
- d) Medical waste will be removed by an appropriate licensed waste contractor and incinerated by a licensed incinerator service provider.

3.1.8. Sanitary waste

- a) Sanitary waste will be collected and removed by an appropriate registered and incinerated at the registered incineration site.

3.1.9. Ferrous and non-ferrous metals

- a) All scrap metals will be reclaimed for recycling
- b) Normal ferrous metals will be deposited in the scrap metal enclosure at the waste transit area , where it will be removed by the approved contractor.
- c) Non-ferrous metals such as brass and copper will be kept in a place of safe storage until sold through the national contract
- d) Records of scrap metal sales will be kept by the Materials Management Section on a monthly basis and submitted to the Environmental Management department for reporting purposes.

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3.1.10. Used oils

- a) Used oil is considered hazardous, as they can, if not correctly disposed of, cause hydrocarbon pollution of soils and water resources. Hydrocarbons do not degrade easily and are difficult to treat.
- b) Used oils is placed in 210 litre drums, specifically for this purpose, from where it is collected by the contractor for recycling and submission of manifest certificates shall be made to Environmental Management Department.

3.1.11. Oily sludge

- a) Oily sludge is treated as hazardous and cannot be recycled due to contamination with material other than oil.
- b) Oily sludge will be disposed of as hazardous waste.

3.1.12. Oil filters

- a) No vehicle oil filters will be catered for on-site and must be replaced off-site as per vehicle/fleet maintenance contract.
- b) Oil filters will no longer be disposed at any hazardous landfill sites as per the legislation.
- c) Oil filters will be transported and recycled by a registered service provider. The legislation has changed regarding the oil filters, all disposal facilities are no longer disposing oil filters. All oil filters will be collected by a registered service provider for recycling.

3.1.13. Chemical and laboratory waste

- a) Waste chemicals are hazardous waste and must be disposed of in labelled sealed, leak proof containers and disposed of accordingly.

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- b) Any containers containing chemicals must be disposed of hazardous waste.

3.1.14. Fluorescent tubes and sodium lamps

On 3 August 2016, new regulations which prohibit all hazardous lighting lamps under classification WEEE (Hazardous Waste Electrical and Electronic Equipment), in any shape or form into landfill, come into effect. (Government Gazette, No. 10008, Volume 578, No 36784, dated 23 August 2013, page 44) as such this kind of waste shall be handled as follows:

- a) Used fluorescent tubes will be placed in the fluorescent tube boxes
- b) When filled, these boxes must be sealed and transported to the on-site waste storage yard for collection and recycling.
- c) No waste shall be stored at the workshop; all waste must be taken to the waste storage irrespective of the quantity.
- d) Storage of fluorescent tube area must have plastic liners to prevent ground/soil contamination in case of breakages.
- e) The Environmental Department must be informed of other fluorescent tube waste for collection and will ensure that appropriate recycling takes place
- f)

3.1.15. Used PPE and rags

- a) Drums will be made available and strategical dedicated areas for used PPE and rags.
- b) When filled, the drums must be sealed and transported to the on-site hazardous waste storage yard.

3.1.16. Conveyor belts and rubber

- a) Conveyer belts and rubber entering the waste stream at the station are from the plant.

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- b) Conveyor belts and rubber will be resold through material management and recycling through the national contract.

3.1.17. Contaminated soil

- a) Soil contaminated due to oil spills can cause hydrocarbon pollution. Hydrocarbons do not degrade easily and are difficult to treat.
- b) Contaminated soil must be removed and transported to a registered hazardous waste disposal site by a registered waste removal company.
- c) Contaminated soil could also be bio-remediated *in situ* if the Environmental Department deems it a better clean-up option.
- d) Soil which has undergone bio-remediation must be assessed a period intervals to ensure that the bio-remediation has been successful in removing all hydrocarbon contamination.

3.1.18. Oil absorbing fibre, booms and cushions

- a) Oil absorbing material (e.g Drizit) will be used when an oil leakage/spillage occurs. Once used, this material is hazardous and must be disposed of as hazardous waste.
- b) In an emergency, ash may also be used to absorb spilled oil and the oil contaminated ash must be disposed of as hazardous waste.
- c) The Environmental Management Department will arrange correct disposal of any hazardous waste generated by the Station related to oil leaks/spillages.

3.1.19. Silica gel

- a) Silica gel (containing cobalt chloride) is used as a moisture indicator in transformer respirators.
- b) If possible moisture rich silica gel should be baked and re-used on site.

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- c) When contaminated completely, silica gel is to be placed in a hazardous waste drum labelled 'silica gel' and adequately controlled so that the container is not used for any other waste.

3.1.20. Batteries

- a) All used batteries are to be treated as hazardous waste and placed in hazardous waste drums labelled 'batteries'
- b) The drums for spent batteries are located in the station units control rooms and must be adequately controlled so that they are not used for any other waste.
- c) Once sufficiently full, the drums are to be sealed and collected for disposal at a registered hazardous waste disposal site.
- d) Appreciated measures should be taken to prevent any accidental leak or release of acid.

3.1.21. Paint/hazardous waste containers

- a) Empty paint/hazardous waste containers are generated by various contractor's/Eskom employees
- b) Spent hazardous waste containers are to be compacted (if possible) and placed in hazardous waste drums.
- c) Once sufficiently full, the drums are to be sealed and will be collected for disposal at a registered hazardous waste disposal site.

3.1.22. Used de-greaser or solvents

- a) Used degreaser and solvents are mostly used by contractors for cleaning purposes.
- b) Spent (used) degreasers and solvents will be poured into appropriately labelled hazardous waste drums.

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3.1.23. Hydraulic hoses/pipes

- a) All hydraulic hoses and pipes used on the equipment will be disposed a hazardous waste and placed in hazardous waste drums.
- b) Once sufficiently full, the drums are to be sealed and will be collected for disposal at a registered hazardous waste disposal site.

3.1.24. Boiler/FFP ash and coal reject

- a) Ash is produced as part of the normal operation of coal fired boiler and fuel gas cleaning plant.
- b) Ash is pumped from the Station via concrete trenches and ash pipelines towards the registered Ash Dam on site.
- c) In emergency conditions, if ash is emptied directly onto the concreted station floor from the boiler/fuel gas cleaning, it must be manually picked up (e.g. using shovels) and put into the production waste skips within 24 hours.

3.1.25. Sandblasting grit

- a) The sandblasting itself it is usually not hazardous but the material safety data sheet must be available to verify that the constituents of the grits are not hazardous.
- b) Spent sandblasting grits will be treated as hazardous unless proven otherwise by means of chemical analysis results from an accredited laboratory and disposed of at a registered hazardous disposal site.

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3.1.26. Electronic waste

- a) Electronic waste is also referred to as 'E-waste' and includes all discarded electronic devices such as computers, telephones, cables, air-conditioners and hand held electrical equipment, as well as photocopying machine and printer cartridge which have an intelligent electronic device/chip as a component.
- b) Copper and cable waste must be placed in the correctly labelled/colour-coded skips or bins.
- c) The Environmental Department must be informed of other electronic waste for collection and will ensure that appropriate recycling takes place.

3.1.27. Handling of spillage inside the Hazardous Waste Storage Yard (HWSY)

In the event of spillages on the floor of the HWSY, the responsible person will cover it with oil absorbent, pick it up with a shovel and place it back into the 210L drums.

3.1.28. Used cooking oil

- a) Used cooking oil shall be stored in the drums from the point source (Canteen)
- b) The canteen supervisor shall ensure that the safe storage containers are requested in a timely manner from the HWSY.

3.1.29. Handling of rain water inside the Hazardous Waste Storage Yard

- a) Waste supervisor who is in charge of the HWSY must contact the Environmental Management Officer if the level of the rain water in the sump reaches the level of the inlet to the sump.
- b) If the water in the sump has oil, the water will be pumped into 210L Drums and disposed as Hazardous waste

3.1.30. Scrap Metal Management

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- a) Scrap metal skips are replace outside HWSY
- b) When the skips are full material management is contacted to inform the recyclers to come collect the scrap, copper, etc.
- c) When a scrap metal skip is required, Material Management personnel are contacted and a skip is provided.
- d) Copies of the weight bridge records shall be submitted to Environmental Management Department.

3.1.31. Scrap wood

- a) Scrap wood skips are placed outside unit 1 and 8
- b) Scrap wood will be disposed as general waste at Holfontein landfill site or any registered land fill site

3.2. Training

- a) Training must be provided to all employees working with waste and to all contractors that might be exposed to the waste
- b) Only trained persons must be allowed to handle hazardous waste
- c) Training certificate and/or records should always be available for audit purposes within respective departments and/or section and through Training Department.

3.3. Waste separation and storage

Camden Power station has different colour coded bins and skips to manage all waste streams produce throughout all its operations

- ☐ White bins and skips are used to store general waste, thus from general waste, paper, food waste etc.

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- ☐ Red bins and skips are used to store hazardous waste
- ☐ Black open skips are used to dispose coal rejects
- ☐ Yellow bags marked with an “A” are used for asbestos or asbestos containing material
- ☐ Green skips are used to store scrap metals,
- ☐ Waste oil and grease is drained and disposed in red drums

3.4. Camden Power Station’s recycling process

Camden Power station recycles the following products: Paper and cans

- ☐ 210 Litres Orange lockable bins with an opening on top are used to recycle the cans used throughout the station, this bins will be placed at strategic recycling areas to serve this purpose.
- ☐ 50 Litres black bins are used to recycle papers produced from the office work, the bins will be placed in the offices and any other strategic recycling areas

3.5. Waste handling, collection, transportation and disposal

- ☐ ERI is a service provider for removal or collection of waste throughout the station
- ☐ General waste must be removed three times a week during normal conditions

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- ☐ Hazardous waste must be removed as to whenever required, but it should be removed at least once in a week and must not be stored for more than 90 days on site
- ☐ The appointed plant cleaning service provider is responsible to ensure that the waste bins and skips from the inside and outside plant is emptied and sorted to the outside waste skips, to ensure that ERI collects at the strategic areas
- ☐ ERI is responsible for the supply and collection of bins and skips around the station
- ☐ Camden power station use Holfontein hazardous waste disposal site, Msukaligwa general waste disposal site, Camden Power Station Asbestos dump site, A-Thermal and Ash dams for treatment and disposal of waste generated on site

3.6. Waste classification and assessment

- Waste will be re-classified in terms of subregulation (2) every five (5) years, or within 30 days of modification to the process or activity that generated the waste, changes in raw materials or other inputs, or any other variation of relevant factors.
- Waste that has been subjected to any form of treatment will be re-classified i
- Waste classification and assessment done in accordance with GN 634, see Annexure A.

Waste listed in Annexure 1 Regulations do not require classification in terms of SANS 10234.

3.1.1 Wastes that do not require Classification or Assessment

(a) General waste-

- (i) Business waste not containing hazardous waste or hazardous chemicals;
- (ii) Non-infectious animal carcasses;

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- (iii) Garden waste;
- (iv) Waste packaging;
- (v) Waste tyres;
- (vi) Building and demolition waste not containing hazardous waste or hazardous chemicals; and
- (vii) Excavated earth material not containing hazardous waste or hazardous chemicals.

(b) Hazardous waste-

- (i) Waste Products:
Asbestos Waste;
PCB waste or PCB containing waste (> 50 mg/kg or 50 ppm); and
Expired, spoilt or unusable hazardous products.

(ii) Mixed Waste:

- (i) General waste, excluding general waste, which contains hazardous waste or hazardous chemicals; and mixed, hazardous chemical wastes from analytical laboratories

(iii) Other:

Health Care Risk Waste (HCRW)

3.7. Waste skips and bins requirement

To ensure that the above process for waste management at Camden Power Station is effective and satisfy the duty of care principle, the Waste skips or bins supplied at Camden Power Station by any service provider must be:

- ☐ In a good and acceptable condition
- ☐ Not corroded
- ☐ No leaks

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- ☐ In the specified colours as per this procedure
- ☐ Easily handled and user friendly
- ☐ And have labels

4. NOTES / FORMS / APPENDICES / ANNEXURES

- Different waste stream generated at Camden Power station
- Classification of Hazardous and Medical Waste Generated at Camden Power Station
- Hazardous Waste Drum Labelling Sticker

ANNEXURE A: Different waste stream generated at Camden Power station

<u>General</u>	<u>Recycle</u>	<u>Hazardous</u>	<u>Ash Dam</u>	<u>Medical</u>
Food Products	Fluorescent	Silica Gel	Coal Rejects	Bandages
Garden Waste	Tubes	Oil	Ash	Cotton Wool
Building Rubble	Batteries (all types)	Oil Rags	Sewerage Sludge	Needles and Sharps
Highlighter	Oil (not containing PCB's)	Oil absorbent material	(Any substance agreed upon in advance with the department of water affairs and Forestry – DWA&F)	Empty Medicine Containers
White board Marker	Cartridges(all types- printer, copier & fax)	Empty Chemical Containers		Blood from wounds
Pritt Stick Glue	Paper	Aerosol Cans		Specimen bottles
Roller ball refills	Plastic	Safety Solvents		Gauze
Tipex	Glass	Paraffin		Expired Medical suppliers
Sandwich plastic bags	Scrap Metal	Paint		Contaminated Gloves
Tea bags		Broken thermometers (Mercury)		Atonomic al waste
Cigarette Ash & Butts				
Bones (food)				

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Pap	Soft drink cans	Broken Keno meters		
Staples	& Plastic	(mercury)		
Stiffy diskettes	bottles	Herbicides		
Serviettes	Scrap Paper	Fabric Filter Bags		
Tea/Coffee	Paper, Plastic	Circumferential		
Stirrer (wooden sticks)	bottles, cans, etc.	Seals		
Message pads	Waste paper	Duracell Alkaline Batteries		
Paper clips	Xerox paper	Silicone		
Transparency	boxes	Tins of Spray Paint		
Sheets	Transparency	Endorsing Ink		
Sunlight	Sheets	Acetone		
Dishwashing	Message pads	Cleaning Rags		
Liquid	Envelopes	Electric cleaner		
Rynol Hand	Broken Glass	drums		
Cleaning	Copper Cable	Aerosols		
Artline	Stainless	Grease		
permanent	tubing	Copier Ink		
markers	Fax Cartridges	Glues (all types)		
Toilet paper	Empty paper	Silicone sealer		
Sandwich	bags	Herbicide containers		
remains	Air conditioners	Manometer fluid		
Packing (off cuts)	Valves	spillage's		
Polystyrene	Couplings	Liquid crystal		
Empty Tins	Nuts and bolts	displays		
Cassettes	Gaskets	PPE (e.g. dust		
Sawdust	Fences and	masks an gloves		
Rubber	poles	that have been		
insertion	Rubber	contaminated by		
	(conveyor belt)	chemicals)		

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Wooden Pieces Wrapping for parts Porcelain (electric insulators) Lagging (NON ASBESTOS) Polygrid screens (cooling towers)		Electronic Modules (all types) Video Display units Rags with safety solvents or other chemicals Refrigerant canisters (chlorodiflourom ethane) Resins Blower filters PCB containing oils SF6 Gas Chlorine gas cylinders Sludge (from any dam, station drain or plant process) Computer/electronic waste Blasting Grit used to remove heavy metals or chemicals Raw sewerage		
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Annexure B: Classification of Hazardous and Medical Waste Generated at Camden Power Station

Hazardous Waste Name	Class	Hazard Group	Origin of waste	Type of Landfill
Used oil	1	High Hazard	Workshops/ Plant	Class A Landfill
Used oil filters	1	High Hazard	Workshops/ Plant/Vehicle servicing garage	Class A Landfill
Oily rags	1	High Hazard	Workshops/ Plant/Vehicle servicing garage	Class A Landfill
Oil Absorbent Material	1	High Hazard	Workshops/ Plant/Vehicle servicing garage	Class A Landfill
Used Paraffin	1	High Hazard	Workshops	Class A Landfill
Fluorescent Tubes	1	High Hazard	Electrical Maintenance Department(EMD)	Recycle
Silica Gel	1	High Hazard	Electrical Maintenance Department(EMD)	Class A Landfill
Medical waste(Sharps & Swaps)	2	High Hazard	Medical centre	Class A Landfill
Printer Cartridges	1	High Hazard	Offices	Class A Landfill
Empty Paint Tins	3	High Hazard	Outside Auxiliary Plant/ Projects	Class A Landfill
Used Batteries	1	High Hazard	Plant	Class A Landfill

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Used Grease	1	High Hazard	Workshops/ Plant/Vehicle servicing garage	Class A Landfill
Sand Blasting Grits	1	High Hazard	Workshops/ Projects	Class A Landfill
Used degreaser	1	High Hazard	Workshops/Plant	Class A Landfill
Used Fabric Filter Bags	1	High Hazard	Boiler Plant	Class A Landfill
Sludge from the Waste Water Recovery	1	High Hazard	Waste Water Recovery Dams	Class A Landfill
Sludge from 7yr dam	1	High Hazard	7 year dam	Class A Landfill
Sludge from Clarifiers	1	High Hazard	Clarifiers	Class A Landfill
Sewage digesters sludge- pre settlement sump	1	High Hazard	Sewage plant	Class A Landfill
Sewage dry bed sludge	1	High Hazard	Sewage Plant	Class A Landfill
Cooking Oil	1	High Hazard	Canteen	Class A Landfill
Waste of electrical and electronic equipment,	1	High Hazard	Buildings and the Plant	Recycle


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ANNEXURE C: Hazardous Waste Drum Labelling Information and the Sticker

The Drums that will store Hazardous waste will reflect the following information written on the drum containing waste and in the sticker that will be attached on the drum for additional information: The date on which the waste was first placed in the container; the date on which waste was placed in the container for the last time when the container was filled, closed and sealed or covered; the dates when, and quantities of, waste added and waste removed from containers or storage impoundments, if relevant; the specific categories of waste in the container or storage impoundments as identified in terms of the National Waste Information Regulations, 2012 and the classification of the waste in terms of Regulation 4 once it has been completed. An example of a sticker that will have additional information is shown below.

CLASS:		WARNING HAZARDOUS WASTE		SAWIC D01310 - 01			
	WASTE TYPE			DEPARTMENT			
	DANGERS			ABSORPTION ROUTE			
	Poisonous	Brain Damage		EYES	LUNGS	SKIN	MOUTH
	Corrosive	Liver Damage		Safety Goggles	Respiratory Protection Ventilation	Gloves Safety Shower	Face Shield
	Explosive	Others					
Flammable							
Oxidizing							
Harmful / Irritant	Intervention and other protection						
24 HOURS EMERGENCY No. 5485	Is MSDS - Available			Biological Monitoring			
	YES	NO		End of Shift		Annually	
	HANDLING AND STORAGE: _____						
ENVIRONMENTAL EFFECTS: _____							
N.B. Minimum requirements for the storage of Hazardous Waste on site should not exceed 90 days Hazardous Waste Drums are to be removed within 75 days from the plant to allow arrangement for final disposal Accumulation Start Date							

ANNEXURE D: Camden Power Station Waste Recycling Plan (to implement the Programme that is managed at Head Office: Waste Centre of Excellence).

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Type of waste	Current Disposal method	Quantities disposed	Recycled Quantities in 2016/ 2017 FY	Recycling Target 2017/ 2018 FY	Future Reduction method
Construction (rubble)	Landfill site	1731.15 Tons	1731.15 Tons	100%	N/A
Municipal (General)	Landfill site	15908.50 (m3)	0	Recycle 20%	Composting at the landfill
E-waste (CATREDGIS)	DESCO	255Kg	255Kg	100%	N/A
Metals	Recycled/ Columbus	1718.30(Tons)	1718.30(tons)	100%	N/A
Paper	Recycled	1470.20(KG)	170.20(KG)	Recycle 50%	Improve waste separation on site
Plastic	Recycled	791.74 (KG)	791.74KG	100%	N/A
Glass	Recycled	0KG	0KG	100%	Recycling by supplier
Other wastes (empty drinking cans)	Recycled	784.89KG	784.89KG	100%	N/A
Cooking oil	Recycled	920L	920L	100%	N/A
Waste oil	Mpumalanga Oil	132 L	132 L	100%	N/A

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3.8. Waste reporting

Waste generated and their quantities are reported to sustainability, Waste Management section on a monthly basis.

- ☐ Waste reporting is done in accordance with the waste standard (**Eskom waste management standard (32- 245)**)
- ☐ All waste generated and collected by the service provider must be reported the Environmental department in the station

5. Document Acceptance (Stakeholders)

This document has been seen and accepted by:

Name	Designation
Dorah Phakathi	Senior Technician Operating

6. Revisions

Note: Start with the latest **Revision History** in the first row and go backwards.

Date	Rev.	Remarks	Compiler/Reviwer
March 2022	05	Revised section 3.2	F.N Sithole
July 2019	04	Revised the definition of waste on section 2.2	K.P Hlungwani
April 2018	03	Revised section 3.2.1 & 3.2.2	PP Nthlane

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Date	Rev.	Remarks	Compiler/Reviwer
April 2016	02	General updates on waste management processes	PP Nthlane
October 2013	01	Original issue	FN Sithole

7. Development Team

The following people were involved in the development of this document:

- Dorah Phakathi
- Fikile Sithole

8. Acknowledgements

N/A

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Appendix A– Eskom Document Hierarchy

A.1 Document Hierarchy

N/A

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