



The Environmental Management (Licensing) Regulations

Statutory Instrument No. 112 of 2013

Conditions Governing the Storage of Pesticides and Toxic Substances

No: LSK/PTS/ 05637/Z04/2025: ST

NATPOWER INDUSTRIAL CORPORATION LIMITED
1244 YORK FARM ROAD
LUSAKA, ZAMBIA.

These conditions are issued subject to the provisions of the Environmental Management Act No. 12 of 2011, the general provisions of Part V of the Environmental Management (Licensing) Regulations, Statutory Instrument No. 112 of 2013 and the following specific conditions:

These conditions shall be valid for **Storage** of Pesticides and Toxic Substances at **Nat power Industrial Corporation Limited** premises located on **1244 York Farm Road** only.

Activity licensed	Quantity distributed (Per annum)	Licence class
Storage	1001 tonnes and above	I

Pesticides and Toxic Substances shall be stored in a warehouse (storage facility) in accordance with the following:

- 1) The Pesticide and Toxic Substances storage facility should be located away from homes, highly populated areas, drinking water sources, seismic activity and areas liable to flooding.
- 2) The storage facility must have safety and warning signs displayed both inside and outside the storage facility.
- 3) The floors in the storage facility should be concrete with a load bearing capacity sufficient to withstand the weight of the stock, racking and any mechanical handling equipment to be used. Floors should be impervious to liquids, free from cracks and smooth to facilitate cleaning.
- 4) The storage facility shall have an emergency response plan.
- 5) The storage facility should be designed such that escape in case of emergency should be possible from any enclosed area in at least two directions. Emergency exits should be clearly marked.
- 6) The storage facility must have a shower and eye wash for use in case of emergency.
- 7) The personnel involved in the storage of Pesticides and Toxic Substances shall be provided with:



- 7.1 Adequate protective and safety clothing which shall include the following:
- acid or chemical resistant overalls or dust coats with buttons to the neck;
 - acid resistant or chemical resistant suit;
 - polyvinyl Chloride (PVC) gloves;
 - polyvinyl (PVC) aprons;
 - rubber boots;
 - respirator canisters with filters specific for dust, mist, fumes, gases and vapours;
 - face shields; and
 - any other appropriate personal protective equipment.
- 7.2 Provided that the Employer shall ensure that an employee to whom the personal protective equipment is provided shall use and maintain it in sanitary and proper condition.; and
- 7.3 Adequate and appropriate equipment or facilities for handling of Pesticide and Toxic Substances.
- 8) The personnel involved in the storage of Pesticide and Toxic Substances shall undergo **appropriate medical check-up annually** and a medical report shall be submitted to Zambia Environmental Management Agency (ZEMA) annually.
- 9) The storage facility should have special provision for bunding.
- 10) The storage facility must have serviced and functional firefighting equipment at all times.
- 11) The storage facility should permit reasonable movement of materials and enough space to allow hygienic working conditions and clear access to fire-fighting equipment.
- 12) The walls of the storage facility should be non-flammable and all piping and electrical wiring should be sealed.
- 13) The roof of the storage facility should be able to effectively keep out rain, provide ventilation to allow fumes and heat to escape especially in case of fire and at the same time provide protection against direct sunlight.
- 14) The storage facility should have drains, which should not be directly linked to waterways or public sewers. The drains should instead be linked by a closed system, to an evaporation tank.
- 15) The evaporation tank should be emptied from time to time depending on the accumulation of solid waste. It should be covered during the rainy season to avoid filling by rainwater.
- 16) The accumulated solid waste should be disposed of in accordance with the Hazardous waste requirements.

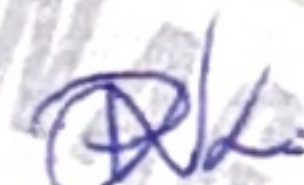


- 17) All products should be stored under lock and key with proper warning signs displayed clearly to keep away unauthorised persons. Pesticides and Toxic Substances must be stored in a separate warehouse, away from any other goods, especially foods and stock feeds.
- 18) **NatPower Industrial Corporation Limited** shall ensure that before storing any Pesticides or Toxic Substances, the containers are properly labelled and are in good condition. If any of the containers are not in good condition, **NatPower Industrial Corporation Limited** should not store them together with other products.
- 19) If Pesticides and Toxic Substances are to be stacked inside the storage facility, stacking heights should not exceed three metres unless the use of racking prevents overloading of the lower tiers.
- 20) The distance between the stack and the ceiling or roof of the storage facility must not be less than 1.0 metre.
- 21) The distance between the stack and the wall of the storage facility must not be less than 1.0 metre.
- 22) Persons loading Pesticides and Toxic Substances in the storage facility should pay special attention to "THIS SIDE UP" signs on carton packs.
- 23) Pesticides and Toxic Substances should be stored separately, according to their use such as herbicides and insecticides.
- 24) The facility shall keep up to date records indicating types, quantities and any other relevant information on Pesticides and Toxic Substances stored.
- 25) The facility shall maintain an up-to-date inspection register showing the status of Pesticides and Toxic Substance of all stocks in the storage facility for the following: firmly fixed and legible labels on containers, leakages, caking of powders, and pulverisation of granules, sedimentation or gelling of liquids, change in colour due to oxidation, dampness of packages and corrosion or deterioration of containers.
- 26) Every storage facility must have an emergency spills treatment kit consisting of a PVC apron, neoprene gloves, a gas mask, a brush or broom, a dustpan, an empty clearly labelled container (for collecting wastes) a container of sawdust/sand and a spade.
- 27) Always strictly follow the rule "First-in First-out" i.e., new stocks should be moved to the rear.
- 28) **NatPower Industrial Corporation Limited** shall send **bi-annual reports** related to the storage of Pesticides and Toxic Substances to ZEMA without fail on or **before July 15 and January 15** for each year of the validity period for the licence in the attached format. In addition, electronic copies of the Reports shall be sent to returns@zema.org.zm.



- 29) ZEMA Inspectors shall have the right to inspect the storage facility at any reasonable time.
- 30) In case of an emergency, **NatPower Industrial Corporation Limited** shall **immediately** inform ZEMA and other relevant authorities.
- 31) The licence is valid for a period of three years from the **16th** day of **September, 2025** to **15th** day of **September, 2028** and may be renewed for a like period if **NatPower Industrial Corporation Limited** complies with these conditions.
- 32) This Licence shall not be transferred to a third party without the prior approval of ZEMA.
- 33) An application for **renewal** and/or **transfer** shall be made at least six months before the expiry of the Licence.
- 34) ZEMA may revoke and/or suspend this Licence at any time and **without notice** should **NatPower Industrial Corporation Limited** fail to comply with these conditions.




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Director General