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Environmental Protection Agency

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SCHEDULE TO THE ENVIRONMENTAL PERMIT

- 1.0 CONTACT PERSON : THE MANAGING DIRECTOR
- 2.0 PROPONENT : GHANA RUBBER ESTATES LIMITED
- 3.0 CONTACT TEL. : +233-244734153
- 4.0 REGISTRATION NO. : CA: 418/02
- 5.0 PERMIT NUMBER : CA: 418/LG/PL/04
- 6.0 ENVIRONMENTAL ASSESSMENT OF AN EXISTING 13,667 HECTARE NUCLEUS RUBBER PLANTATION PROJECT LOCATED AT APEMANIM IN THE AHANTA WEST, NZEMA EAST AND TARKWA NSUAEM DISTRICTS OF THE WESTERN REGION.

In pursuance of the Environmental Protection Agency Act 1994, Act 490 (Sections 2 (i) and 12 (I) and the Environmental Assessment Regulations, 1999, L.I. 1652 and on the basis of the information provided in the Environmental Management Plan (EMP) February 2023, this Environmental Permit is issued authorising **GHANA RUBBER ESTATES LIMITED** to continue operating the existing 13,667 hectare Nucleus Rubber Plantation project located at Apemanim in the Ahanta West, Nzema East and Tarkwa Nsuaem of the Western Region.

7.0 CONDITIONS OF PERMIT

7.1 Commitment to Project Specification

- a. Comply with all project specifications, mitigation, monitoring and other environmental management provisions as indicated in the project's Environmental Management Plan (EMP).
- b. The project involves the following:
 - i. Maintenance of nurseries
 - ii. Maintenance of mature and immature rubber forests
 - iii. Maintenance of machinery and vehicles
 - iv. Tapping of Latex.

7.2 Location and Coverage

- i. The project is located at Apemanim in the Ahanta West, Nzema East and Tarkwa Nsuaem Districts of the Western Region.

- ii. The main activities will include maintenance of nurseries, maintenance of mature and immature rubber forests, maintenance of machinery and vehicles and tapping of latex
- iii. Land Take: 13,667 hectares.
- iv. Estimated Staff Strength : 2,100
- v. Facilities on Site :
 - A Nursery
 - A Dam
 - Hydrofam operation machine
 - Rubber Processing Factory
 - Garage for fleet maintenance and repairs

7.3 Pesticide and Chemical Usage

- i. Comply with the requirements of the EPA Act, 1994 (Act 490), Part II on Chemicals/Pesticides Management.
- ii. Use only pesticides and chemicals that have been registered with the EPA in accordance with the EPA Act, 1994 (Act 490).
- iii. Ensure that applicators of pesticides and chemicals are trained and licensed in accordance with the EPA Act, 1994 (Act 490).
- iv. Provide appropriate storage facilities for pesticides and other agrochemicals.
- v. Ensure adequate measures to contain accidental spillage of pesticides and chemicals to avoid contamination of soil and water resources.
- vi. Ensure that empty pesticides and chemical containers and packaging materials are managed and disposed off in accordance with EPA guidelines for disposal of waste chemical containers.
- vii. Pesticides should be sprayed during periods when drifts are expected to be minimal.
- viii. Keep an inventory of quantities of pesticides and agro chemical usage and communicate in the Annual Environmental Report to the Agency.

7.4 Land Preparation and Water Resources Protection

- i. Undertake land preparation and cultivation in such a way to minimise disruption of soil structure and exposure of soil to erosion. Institute appropriate drainage control measures to minimise flooding.
- ii. Comply with the National Buffer Zone Policy by establishing and maintaining the appropriate buffer zone distances along the water bodies traversing the project area.
- iii. Monitor the water quality of the various streams quarterly and include returns in the Annual Environmental Reports.
- iv. GPS coordinates of the sampling stations/locations should be determined for all sampling sites and reported.

7.5 Solid Waste Management

- i. Explore conversion of solid waste from plant materials into compost for use on the farm.
- ii. Provide garbage bins for segregation of solid waste generated to prevent littering.
- iii. Plastic wastes from the plantation should be reused or appropriately recycled.
- iv. Disposal of solid waste should be done at Ahanta West, Nzema East and Tarkwa Nsuaem District Assemblies approved landfill sites.
- v. Consult the EPA for advice before disposing off all expired chemicals and pesticides.
- vi. In order to prevent soil contamination at the mechanical workshop, exposed surfaces at the workshop should be concreted.

- vii. Over aged trees felled should be used for fuel or composted to be used as soil amendments.

7.6 Health and Safety

- i. Ensure good housekeeping in the office areas and residential camp where applicable.
- ii. Ensure that persons applying pesticides and chemicals undergo periodic medical check-ups.
- iii. Field workers handling chemical products must have adequate training on the appropriate use of products and access to material safety data sheets.
- iv. Provide appropriate personnel protective clothing/gear such as rubber, gloves, overall, safety boots, hand gloves, etc. to workers.
- v. Provide a well-stocked first aid kit for minor injuries that might occur.
- vi. Keep records and establish an inventory of accidents and disease outbreak and treatment on the farms.
- vii. Workers must undergo medical check-up at least twice a year to assess their health status with respect to operations on the farm.
- viii. Provide appropriate fire extinguishers and other requirements as recommended by the Ghana National Fire Service.
- ix. Install fire alarm system and smoke detectors at vulnerable areas to give early warning of any fire outbreak.
- x. No smoking signs should be posted at areas where flammable solvents and fuel are stored.
- xi. Fire belts or boundary lines should be created to prevent fire from spreading to adjoining areas.

7.7 Soil and Water Quality Monitoring

- a. Establish an environmental monitoring programme in the adjacent or traversing water bodies to cover the following:
 - i. Water quality: pH, Turbidity, colour, TSS, TDS, Phosphates, Ammonia-Nitrogen, Nitrate-Nitrogen, Nitrite – Nitrogen, Potash, Total Coliforms, E. Coli, faecal coliform, etc.
 - ii. Nutrient status of the soil in respect of soil organic carbon every year.
- b. Submit the results of the monitoring as part of Annual Environmental Reports (AER) submissions to the Agency.

7.8 Social Economic Impacts

- i. Ensure that the livelihoods of adjoining communities are not impacted negatively by the project operations.
- ii. Integrate social and environmental agreements/clauses in suppliers' contracts.
- iii. Undertake corporative social responsibility activities in accordance with the company's policy and agreements with the relevant communities.

7.9 Compliance with Mitigation Measures

- a. Comply with all the mitigation, monitoring and environmental management commitments made in the Environmental Management Plan (EMP).

7.10 Regulatory Requirements

Notwithstanding this permit, the project is further subject to other relevant regulations and permits pertaining to the sector and must be observed. These include among others;

- i. Water Resources Commission Act, 1996, Act 522 and obtain water abstraction Permits.
- ii. Factories, Offices and Shops Act, 1970 (Act 328).
- iii. Fire Precaution (Premises) Regulations 2003, (LI 1724).
- iv. Public Health Act, 2012 (Act 851).
- v. Persons with Disability Act, 2006 (Act 715).
- vi. Water Resources Commission Act, 1996 (Act 522)
- vii. Hazardous Electronic and Other Wastes (Classification), Control and Management Regulations 2016, (LI 2250)

7.11 Notification of Changes

- i. Notify EPA of any major changes in the planned development of the project contrary to the specification provided in the project's Environmental Management Plan (EMP).

7.12 Annual Environmental Report

- i. Submit Annual Environmental Reports on the company's operations in accordance with Section 25 of L.I 1652. The first report should be submitted by February 04, 2024.
- ii. The Annual Environmental Report Forms (AER- Agriculture Form) can be accessed at <http://www.epa.gov.gh/epa/publication/forms>

7.13 Permit Awareness

- i. A copy of this Permit shall be displayed prominently on the premises at all times.
- ii. All operations staff at the premises shall be familiar with the conditions of the Permit.

7.14 Renewal of Permit

- a. This Permit should be renewed by February 5, 2026 upon submission of a satisfactory Environmental Management Plan (EMP).
- b. The Environmental Management Plan Report Forms (EMP- Agriculture Form) can be accessed at <http://www.epa.gov.gh/epa/publication/forms>.

7.15 Accessibility to the Site

- i. Make all facilities available for inspection and cooperate with EPA officials during Inspections.

7.16 Permit Transferability and Limitation

- i. This Permit is not transferable. It covers only **GHANA RUBBER ESTATES LIMITED** existing 13,667 hectare Nucleus Rubber Plantation Project located at Apemanim in the Ahanta West, Nzema East and Tarkwa Nsuaem Districts of the Western Region.
- ii. This Permit does not cover the company's processing activities. A separate Permit must be obtained for all Processing Operations.

7.17 Revocation, Suspension and Refusal of Permit

- i. The Agency shall revoke or suspend this Permit issued or shall refuse to renew this Permit where:
 - a) The provisions and conditions of this Permit are not being satisfactorily complied with.
 - b) The continued operation of the project poses a risk to the environment, public health and safety.
 - c) The operations by the proponent have deteriorated below the required standard.
 - d) Different species of plant have been introduced into the farm without approval of the Agency.

7.18 Penalty for Breach of Conditions of Environmental Permit

- i. Providing false information or failure to comply with or observe any or all the Permit conditions above shall:
 - a) Attract administrative penalties and/or the necessary fines prescribed in the Fees and Charges Act [Miscellaneous Provisions Act 2022 (ACT 1080)]
 - b) Attract the necessary sanctions prescribed under Regulation 29 of the Environmental Assessment Regulations (EAR) 1999, LI 1652.
 - c) Render this Environmental Permit invalid.
 - d) Lead to the suspension or revocation of this Permit or Prosecution.



ING. ESI NANA NERQUAYE-TETTEH
AG. DEPUTY EXECUTIVE DIRECTOR/TECHNICAL SERVICES
FOR: EXECUTIVE DIRECTOR

February 06, 2023
Date Issued

February 05, 2026
Expiry Date

Notification:

The Director, PPRSD, Ministry of Food and Agriculture, Accra
The Executive Secretary, Water Resources Commission, Accra.
The Chief Executive, Ahanta West District Assembly, Ahanta
The Chief Executive, Nzema East District Assembly, Nzema East
The Chief Executive, Tarkwa Nsuaem District Assembly, Tarkwa Nsuaem
The Regional Director, EPA Western Region, Sekondi