



Application Reference No: **NEMA/AGR/75/2017**

Registration**0070**

Access Permit

This permit is hereby granted to **Ms. SARA ELIZABETH HEISEL** Passport No. **445588567 -UNIVERSITY GEORGIA 140 East Green Street Athens Georgia USA/ 1776 hwy T Labadie MO 63055 USA**

in accordance with regulation 11 of the Environmental Management and Co-ordination (Conservation of Biological Diversity and Resources, Access to Genetic Resources and Benefit Sharing) Regulations, 2006 for the collection of the following genetic resources:

Not more than 7000 vials containing fecal/blood/tissues samples of Grevy Zebra (1, 000 samples will be collected for DNA extraction, triplicate vials of each specimen will be stored (total 3000); 1000 samples will be taken for stress hormone extraction and stored in duplicate (total 2000), 1000 samples will be taken for nutritional analysis and stored in duplicate (total 2000); Ecological and Social Considerations of Endangered Species Protection in Laikipia and Samburu Districts of Kenya. For EXPORT.

This permit is issued subject to the Regulations and all agreements concluded pursuant to its grant, and may be suspended, cancelled or revoked should the holder breach any of those agreements and the conditions of issue and those contained in the Regulations.

Ms. SARA ELIZABETH HEISEL being the holder of this permit, including his agents and assignees, undertake to abide by the conditions of this permit and to promptly report to the National Environment Management Authority any matter that may prejudice the interests of Kenya and other parties concluded pursuant to the grant of this permit.

Signed:  Date: **3.7.2017**
Director General,
 National Environment Management Authority

P.T.O.



ISO 9001 : 2008 Certified

PERMIT CONDITIONS:-NEMA/AGR/75/2015

1. This approval shall be valid for **12 months from** the date of issuance and shall not be transferable. This approval is for accessing Not more than 7000 vials containing fecal/blood/tissues samples of Grevy Zebra (1,000 samples will be collected for DNA extraction, triplicate vials of each specimen will be stored (total 3000); 1000 samples will be taken for stress hormone extraction and stored in duplicate (total 2000), 1000 samples will be taken for nutritional analysis and stored in duplicate (total 2000); Ecological and Social Considerations of Endangered Species Protection in Laikipia and Samburu Districts of Kenya. For EXPORT.
2. You shall provide the list and quantity of all collected plant species to NEMA.
3. The access of the genetic resources and its derivatives shall be strictly held in Mpala East Africa Herbarium, and NMK.
4. You shall ensure that the component of plant species are well treated and preserved using the provided standards before export.
5. You shall ensure that the basic analysis of the genetic resource such as identification, cataloging, analyzing and preservation of the plant species preparation of samples to good laboratory standards for export and further analysis shall be done in the local institutions. Ensure that the local partner is involved in the identification and preparation of the samples for export.
6. The genetic resource and the derivative shall not be transferred to a third party without the consent of the genetic resource providers and NEMA.
7. The genetic resource and the derivative shall not be used for commercial or profit purpose without understanding from genetic resource providers and NEMA.
8. You shall deposit and keep records of all duplicates of the genetic resources with the Laboratory facility located at Mpala Research Centre) and provide evidence of deposition to NEMA.
9. You shall ensure that there is reasonable access by all Kenyan citizens to all genetic resources collected whether such genetic resources and intangible components are held locally or abroad.
10. Ensure that all agreements entered into with respect to access of genetic resources shall be strictly for the purposes for which they were entered into.
11. You shall abide by the provision of the Material Transfer Agreements entered with the providers of genetic resources.
12. You shall ensure that the local community Traditional knowledge on the genetic resources and their uses are well safeguarded.
13. You shall furnish quarterly reports to NEMA on the status of research, including all discoveries from research involving genetic resources and/or intangible components thereof.
14. You shall comply with the improvement orders issued by NEMA's environmental inspectors throughout the project cycle.
15. NEMA reserves the right to suspend, cancel, revoke or vary this permit in the event of a breach of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations thereunder.
16. Upon the completion of the intended studies, you shall return the remaining genetic resource to Kenya and deposit with the relevant lead agency (KWS) and notify NEMA of the return. You shall abide by the laws of Kenya.