

EMP  
MAHANGU SAFARI LODGE

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## Introduciton

Mahangu Safari Lodge is located on the Western bank of the Kavango river, geographical coordinates S18° 08' 18,18" E21° n 40' 50,29", 22km from Divundu in the Kavango-East region. Mahangu Safari Lodge has 18 bungalows, 7 luxury tents and 7 self-catering campsites in which guests can be accommodated in. A variety of activities can also be done at Mahangu Safari Lodge. Waste & Sewage is disposed of properly as the Kavango river is a very sensitive area.

## 1)Accommodation

### 1.1) Rooms, Tents & Campsites

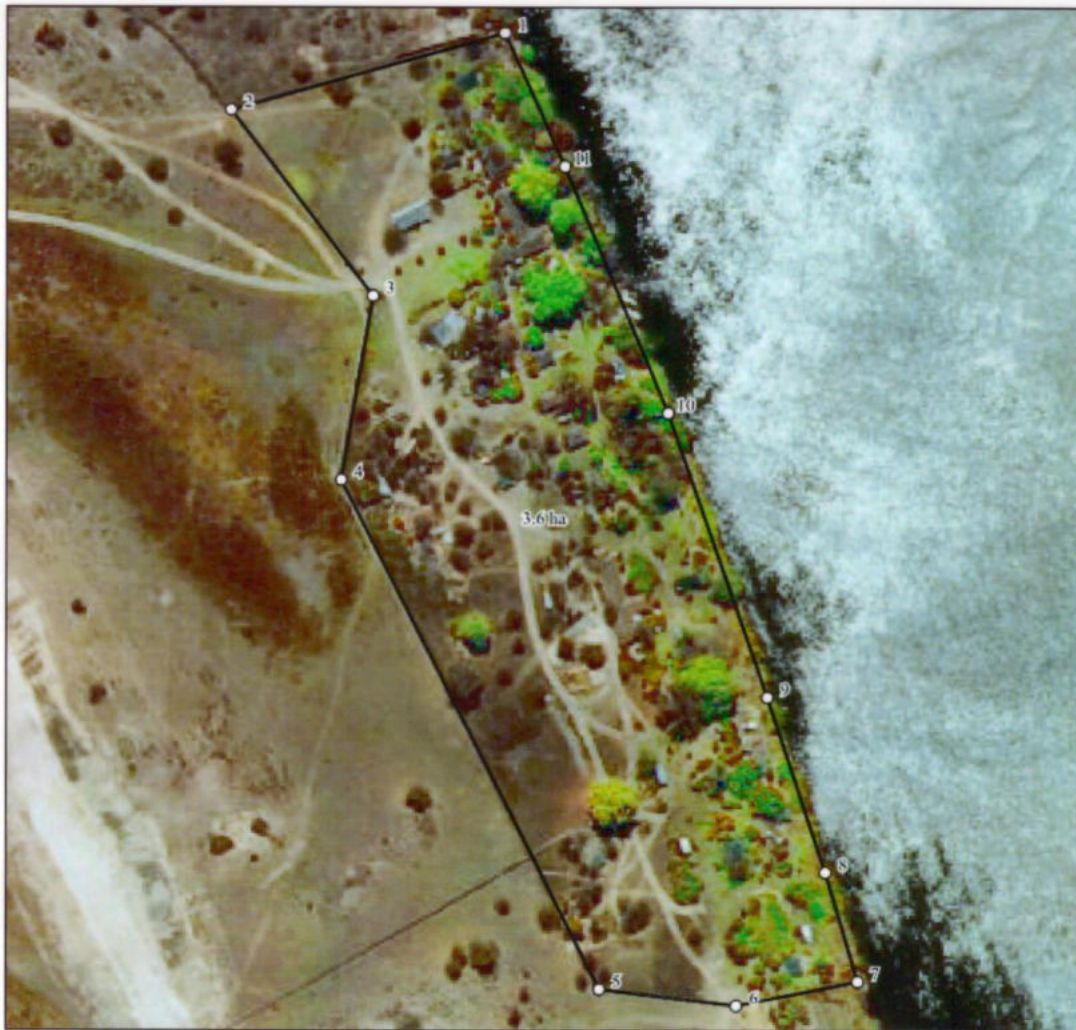
Mahangu Safari Lodge has 18 bungalows, 7 luxury tents and 7 self-catering campsites. One bungalow is a double room and the other 17 are twin rooms. All bungalows house 2 guests and each bungalow is equipped with its own bathroom. All 7 luxury tents are twin rooms, house 2 guests at a time and each luxury tent is equipped with its own bathroom. The campsites are self-catering and the activities that the Lodge provide is optional for campers.

### 1.2) Activities

Mahangu Safari Lodge provides a variety of activities which can be done. The activities include breakfast cruises, dinner cruises, boat cruises, fishing trips, morning- and afternoon game drives, bird walks and village walks. All activities are led by experienced guides.

## 2) Location & Scale of Mahangu Safari Lodge

Mahangu Safari Lodge is located on the Western bank of the Kavango river, 22km from Divundu, Kavango-East region, geographical coordinates S18° 08' 18,18" E21° 40' 50,29". Mahangu Safari Lodge is roughly 5 Ha big and mainly deals business in the tourism sector and provides a lot of work opportunities for the local people in the area.



The figure above represents parcel:

UPI: KMTJGA000002  
 Size: 3.6 ha



1 centimeter = 20 meters  
 scale: 1:2 000

Corner points and map display:  
 Projection: Geographic  
 Datum: WGS84  
 Units: Decimal Degree

Corner points:

Point	Latitude	Longitude	Point	Latitude	Longitude	Point	Latitude	Longitude	Point	Latitude	Longitude
1	-18.13776	21.68062	2	-18.13803	21.6797	3	-18.13862	21.6802	4	-18.13923	21.68011
5	-18.14086	21.68104	6	-18.14091	21.6815	7	-18.14082	21.68191	8	-18.14047	21.68179
9	-18.1399	21.68158	10	-18.13898	21.68122	11	-18.13819	21.68084			


### 3)Waste Management

The waste of Mahangu Safari Lodge is strictly controlled and disposed of properly given the sensitivity of the Kavango river. Most of the waste is dealt with at the Lodge in a controlled environment and the waste which is not disposed of at the lodge is disposed at the dumpsite in Divundu.

#### 3.1) Sewage

The sewage of Mahangu Safari Lodge is managed and disposed of properly according to the regulations of the Ministry of Agriculture, Water and Forestry. Attached below is a permit issued for wastewater and effluent disposal exemption permit which is issued by the Ministry of Agriculture, Water and Forestry.

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REPUBLIC OF NAMIBIA

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MINISTRY OF AGRICULTURE, WATER AND FORESTRY

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Telephone: 2087222	Department of Water Affairs and Forestry
Fax: 2087697	Private Bag 13193
Enquiries: N. Lasarus	Windhoek
Ref. No.: 10/5/2/37	NAMIBIA

PERMIT NUMBER: 737                      DATE: 03 May 2019

**WASTEWATER AND EFFLUENT DISPOSAL EXEMPTION PERMIT ISSUED IN TERMS OF SECTION 21(5) AND 22(2) OF THE WATER ACT, 1956 (ACT 54 OF 1956)**

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NAME OF PERMIT HOLDER	: Mahangu Safari Lodge
POSTAL ADDRESS	: P.O.Box 5200 Divundu
REGION	: Kavango East
METHOD OF TREATMENT	: Septic tanks
VALIDITY PERIOD	: Five (5) years
EXPIRY DATE	: 03 May 2024

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#### 1. AIM OF PERMIT

In terms of section 22 (2) of the Water Act, 1956 (Act 54 of 1956) that a domestic wastewater and effluent disposal exemption permit be issued to Mahangu Safari Lodge exempting it from compliance with the provisions of Section 21 (1) and 21 (2) of the Water Act, in order that wastewater treated in septic tanks and final effluent be disposed in Divundu Oxidation ponds for further treatment.

**2. PERMIT CONDITIONS**

**GENERAL**

- 2.1 Provided that the conditions specified below are met, this permit shall be valid for a period of **five (5) years** from the date of issue. If, however the average dry weather flow exceeds **24m<sup>3</sup>/day** before the expiry date, this permit shall lapse. In either event an application for replacement of this permit shall be submitted to the Executive Director for the MAWF for attention of the Deputy Director: Law Administration. The application should reach the Department of Water Affairs and Forestry at least two (2) months before the expiry date or alternatively two (2) months before the determined flow is expected to be exceeded.
- 2.2 The gates to the terrain shall be kept locked at all times when not attended by an operator.
- 2.3 The wastewater treatment plant area shall be cleared of overgrown vegetation on a regular basis.
- 2.4 The outfall area of treated wastewater and the disposal of solid waste shall be out of bounds, except for operational and maintenance personnel working on the premises.

**3 SEPTIC TANKS**

- 3.1 The system as a whole shall be operated in such a manner that no health hazards, nuisances or pollution of surface or underground water occurs.
- 3.2 No intractable or toxic waste shall be allowed to find its way into the septic tanks.
- 3.3 All septic tank facilities must be constructed in accordance with the Namibian DWAF Code of Practice on Septic Tank Systems, Volume 1 of 2008.
- 3.4 Septic tanks may be constructed of any suitable non-corrosive material in order to provide an average retention period of twenty-four hours. The compartments of the septic tank must be covered by a lid.
- 3.5 Septic tank construction shall incorporate a vertical baffle to enhance the removal of sludge and floating material, and a manhole to facilitate desludging.
- 3.6 Satisfactory methods shall be used for the removal and disposal of grit, screenings, floating debris and sludge. None of these products shall be disposed of to any person for any purpose.

**4 MONITORING, SAMPLING AND REPORTING**

- 4.1 Any duly appointed official or representative of the Department of Water Affairs and Forestry within the Ministry of Agriculture, Water and Forestry shall have the right to inspect the septic tank and take whatever samples deemed necessary.

**5 RESPONSIBILITY TO AVOID POLLUTION**

5.1 Irrespective of the conditions as set out in the permit, Mahangu Safari Lodge shall be responsible for and take immediate action should at any time there be an unforeseen occurrence of surface or ground water pollution in or outside the jurisdictional area that can be related to the activities occurring at Mahangu Safari Lodge.

**6 SUPERVISION**

- 6.1 The terrain shall be supervised by a suitably experienced person in the employ of Mahangu Safari Lodge. He/She shall have under his/her control an adequate number of suitably trained employees who shall ensure the satisfactory functioning of the system at all times.
- 6.2 The permit holder shall re-use all possible wastewater to the satisfaction of the Executive Director of the Ministry of Agriculture, Water and Forestry and shall continue to investigate and implement all possible areas of water saving and water reuse.

**7 LEGAL ASPECTS AND AMENDMENTS**

- 7.1 This permit does not confer exemption from compliance with the provisions of the public Health Act, 1919 (Act 36 of 1919) or any other law.
- 7.2 Contravention or failure to comply with any of these permit conditions constitute an offence and shall render the permit holder liable to persecution under Section 21 (8) of the Water Act (Act 54 of 1956).
- 7.3 The Executive Director of the Ministry of Agriculture, Water and Forestry may in writing amend, delete or replace any of this permit. Once the Water Resources Management Act 11 of 2013 becomes enforceable permit conditions may be subject to change.

  
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**PERCY W MISIKA**  
**EXECUTIVE DIRECTOR**



REPUBLIC OF NAMIBIA

MINISTRY OF AGRICULTURE, WATER AND FORESTRY

Telephone: 2087183  
Fax: 2087697  
Enquiries: Lasarus. N  
Ref. No.: 10/5/2/37

Department of Water Affairs and Forestry  
Private Bag 13193  
Windhoek  
NAMIBIA

Mahangu Safari Lodge  
P.O.Box 5200  
Kavango  
Divundu  
Namibia

Dear Sir

Att: R Walter

**APPLICATION FOR A WASTEWATER AND EFFLUENT DISPOSAL EXEMPTION  
PERMIT: NAMIBIA WILDLIFE RESORTS (NWR): MAHANGU SAFARI LODGE**

1. Your application in the above regard has been approved.
2. Attached is permit number 737
3. You are kindly requested to comply with all the permit conditions.

  
 2019-05-15  
 PERCY W. MISIKA  
 EXECUTIVE DIRECTOR

All official correspondence must be addressed to the Executive Director



### 3.2) Trash & Waste

Trash and waste which can be burned is disposed of properly at the lodge away from burning hazards in a controlled environment. Materials which can be recycled such as glass bottles are recycled and sold to be used again. Waste which can not be disposed of properly at the lodge is disposed of at the dumpsite in Divundu.