



REPUBLIC OF NAMIBIA

MINISTRY OF AGRICULTURE, WATER AND FORESTRY

Telephone: (061) 2087111 Department of Water Affairs
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Enquiries: E Coetzee Windhoek
Reference: PL 266 & 677 9000

PERMIT NUMBER: 11 274

DATE : 19 May 2017

PERMIT ISSUED IN TERMS OF REGULATIONS 5 AND 9 OF GOVERNMENT NOTICE R1278 OF 23 JULY 1971 AS PROMULGATED UNDER SECTION 30(2) OF THE WATER ACT, 1956 (ACT 54 OF 1956), AS AMENDED

NAME OF PERMIT HOLDER : Mr O M Steyn
ADDRESS : P. O. Box 900, Gobabis
REGISTERED PROPERTY : Okatombaka No. 266
DISTRICT : Gobabis
CONTROL AREA : Windhoek-Gobabis Subterranean Water Control Area
VALIDITY PERIOD : Indefinitely. Subject to condition number 2
BOREHOLES TO BE DRILLED AND AUTHORIZED : Serial numbers WW 204869 – WW 204875
APPROXIMATE DRILLING DEPTH : 130 metres maximum each
PURPOSE FOR WHICH WATER MAY BE USED : Irrigation

This permit authorizes the drilling of the four boreholes identified as WW 204869–WW 204872 as well as the authorization of the three boreholes identified as WW 204873–WW 204875 on the farm planning map, attached as Annexure A, subject to the following conditions:

1. The maximum abstraction quantity for irrigation from the boreholes concerned shall not exceed the total approved abstraction quantity of 149 000m³ water per year.

All official correspondence must be addressed to the Permanent Secretary.

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2. If drilling is not completed within three years from the date of this permit, this permit automatically expires and application shall be made to the Permanent Secretary for the issuing of a new permit.
3. This permit is incident to the property and if the present owner sells the property, the permit shall be handed over to the new owner.
4. Where a borehole is drilled in a riverbed, no embankments shall be constructed around the borehole in the riverbed which could result in the river damming up or its normal flow being impeded.
5. The Permanent Secretary or his authorized representative in consultation with the Minister shall have the right to:
 - (a) withdraw, amend or replace any condition of this permit or withdraw this permit in its entirety, after reasonable notice to the permit holder; and
 - (b) inspect the sources and installations at all reasonable times to determine whether the permit conditions are adhered to.
6. The Permanent Secretary shall not accept liability for damage or loss suffered by the permit holder should the relevant sources wane or run dry or the period of validity of the permit not be extended or renewed.
7. Should the permit holder not comply with any of the permit conditions:
 - (a) the Permanent Secretary may seal the boreholes until the conditions are complied with;
 - (b) the permit holder may be held liable for any costs which the Permanent Secretary may incur as a result thereof, and
 - (c) the permit holder shall be guilty of an offence and shall, on conviction, be liable to the penalties prescribed in Section 170 of the Water Act, 1956 (Act 54 of 1956).

8. TECHNICAL DETAILS

- 8.1 The boreholes shall only be drilled by a person, registered in terms of regulation 29 of Government Notice R1277 of 23 July.
- 8.2 Enclosed please find the number plates for the boreholes. The number plates shall be prominently placed for easy identification of the boreholes. (Do not attached to movables such as the pump or engine or to the concrete block around the casing.) Each borehole number plate shall be prominently placed for easy identification of the borehole.
- 8.3 At least one week before drilling commences, the permit holder shall contact the Geohydrology Division: Ms G E Mulokoshi at telephone (061) 2087075 at Windhoek indicating when drilling is to commence and who the drilling contractor is. As soon as the drilling operation is completed, the permit holder shall inform the control officer of this fact so that an inspection can be carried out while the drilling machine is still in position to check the depths and water levels of the boreholes. Failure to do so will be seen in a serious light and punitive measures will be applied.

- 8.4 Samples of approximately 250 gram each shall be taken every one metre drilled and also each time the formation changes indicating on each bag the depths at which the samples was taken and the formation change occurred. These samples, together with the borehole completion reports shall be submitted to the Control Officer: Abstraction Control, or delivered to room 228, 2nd floor, Government Office Park, Windhoek.
- 8.5 If water is intersected during drilling, the permit holder shall leave openings of 25 mm in the borehole covers (which can be closed with screw plugs) positioned in such a way that there is space to measure the borehole water levels to the inside of the casings of the boreholes.
- 8.6 A step test and/or a constant discharge test are recommended to evaluate the sustainable abstraction rate. A minimum of four steps must be applied; each step should be at least one hour long. The recovery period after the step drawdown test should be observed for the same time period that was needed for all steps. The constant discharged test should be carried out over 8 hours drawdown time and 8 hours recovery time or 95% recovery. A water sample should be taken at the end of the test (drawdown period) and taken to a water chemical laboratory to analyse the water quality. The Division of Geohydrology must be notified prior to the test in order to provide technical guidelines for the test. The results of the drilling, pumping test and chemical analyses must be sent to the Department of Water Affairs, Geohydrology Division.
- 8.7 The permit holder must send monitoring data (quality and quantity) to the Geohydrology Division via Law Administration Division before the 10th day of the following quarter. Official quarters being regarded as January to March, April to June, July to September and October to December of each year. These records will give essential information in assessing and managing the regional groundwater resource in future. The monitoring data that needs to be submitted includes but not limited to water levels, chemistry, radio-nuclides and/or radio activity.



Percy W. Misika
PERMANENT SECRETARY