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water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

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**LICENCE IN TERMS OF CHAPTER 4 OF THE
NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998)**

I, *Nolwazi Gasa*, in my capacity as acting Director-General (Acting) in the Department of Water and Sanitation and acting under authority of the powers delegated to me by the Minister of Water and Sanitation, hereby authorise the following water uses in respect of this licence

SIGNED: *N.G.*

DATE: *7/7/2016*

LICENCE NO: 05/W51A/ACFGIJ/4726
FILE NUMBER: 16/2/7/W51/Yzermyn

1. Licensee: **ATHA-AFRICA VENTURES (PTY) LTD**

Postal Address: 8th Floor
Sinosteel Plaza
159 Rivonia Road
Morningside
Sandton
2144

2. Water Uses:

- 2.1. Section 21(a) of the Act: Taking water from a water resource, subject to the conditions set out in Annexures I and II.
- 2.2. Section 21(c) of the Act: Impeding or diverting the flow of water in a watercourse, subject to the conditions set out in Annexures I and III.
- 2.3. Section 21(f) of the Act: Discharging waste or water containing waste into a water resource through a pipe, canal, sewer or other conduit, subject to the conditions set out in Annexures I and IV.

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- 2.4. Section 21(g) of the Act: Disposing of waste in a manner which may detrimentally impact on a water resource, subject to the conditions set out in Annexures I and V
- 2.5. Section 21(i) of the Act: Altering the bed, banks course or characteristics of a watercourse, subject to the conditions set out in Annexures I and III.
- 2.6. Section 21(j) of the Act: Removing, discharging or disposing of water found underground, subject to the conditions set out in Annexures I and VI.

3. Owners and Properties in respect of which this licence is issued.

Table 1: Properties in respect of which this licence is issue

Item	Property	Owner
3.1	Kromhoek 93 HT	Mr Pierre William Bruwer Uys
3.2	Goedgevonden 95 HT	Mr Pierre William Bruwer Uys
3.3	Yzermyn 96 HT Portion 1	Mr Pierre William Bruwer Uys
3.4	Zoetfontein 94 HT (Portion of)	Imfuyo (Pty) Ltd
3.5	Vaalbank 74 HT	Mr Petrus Nkanyezi Lukhele

4. Licence and Review Period

- 4.1 This licence is valid for a period of fifteen (15) years from the date of issuance and it may be reviewed every two (2) years.

5. Definitions

"Any word or term defined under the Act shall have the same meaning as defined in the Act, unless otherwise specifically stated."

"The Regional Head" means the Provincial Chief Director: KwaZulu Natal Regional Office, Department of Water and Sanitation, P.O BOX 1018 Durban, 4000.

"The Report" means the consolidated submission of the Yzermyn Underground Coal Mine Integrated Water Use Licence Application in terms of the National Water Act (Act No. 36 of

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system must be provided for the barrier system for the stockpile pad since a 2m separation (as required by regulation) between the stockpile material and the water table will not be possible.

- 1.9 All water containing waste disposal facilities as specified in this licence shall be operated and maintained to have a minimum freeboard of 0.8 metres above full supply level and all other water systems related thereto shall be operated in such a manner that it is at all times capable of handling the 1:50 year flood-event on top of its mean operating level.
- 1.10 The water levels off all dirty water containment facilities, specifically dams used to store water containing waste for re-use or disposal shall be recorded weekly.
- 1.11 The Licensee shall use acknowledged methods for sampling and the date, time and sampler must be indicated for each sample.
- 1.12 Flow metering devices, shall be maintained in a sound state of repair and calibrated by a competent person at intervals of not more than once in two (2) years. Calibration certificates shall be available for inspection by the Regional Director or his representative upon request.
- 1.13 The Licensee shall ensure at all times that the contaminated water from the dams is pumped to keep the dams as empty as possible as indicated in the Report.
- 1.14 The pollution plume model must be reported upon in the Report referred to in 1.1 above.

1. DISCHARGE OF WASTE OR WATER CONTAINING WASTE

- 2.1 The Licensee is authorised to discharge water containing waste to the Wetlands System 2 of a maximum quantity of 8861 m³ of treated effluent per annum from Yzermyn 96 HT Ptn 1. The Section 21(f) water uses have been summarised as follows in Table 1:

Table 1: Summary of Water Uses Applied for

Water Use	Activity and Purpose	Volume (m ³ /a) / Area / WXLXH	Watercourse/Resource affected	Property Description	Approximate Centre Co-ordinates
21(f)	Discharging excess water treated to an acceptable quality into the wetland	8 861 m ³ /a	Wetland system 2; Seep wetland (S2)	Yzermyn 96 HT Ptn 1	27°13'05.29"S 30°18'36.37"E

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Table 3: Summary of Water Uses Applied for

Water Use	Activity and Purpose	Volume (m ³ /a) / Area / WXLXH	Watercourse/Resource affected	Property Description	Approximate Centre Co-ordinates
21(g)	RoM stockpile slab A	0.5ha	Within 500m of wetland system 1 & 2; Seep wetland (S1 & S2)	Yzermyn 96 HT Ptn 1	27°13'01.4"S 30°18'47.5"E
21(g)	RoM Stockpile slab B -Sales coal stockpile	0.5ha	Within 500m of wetland system 1 & 2; Seep wetland (S1 & S2)	Yzermyn 96 HT Ptn 1	27°12'56.5"S 30°18'48.5"E
21(g)	Disposal and storage of contaminated water in pollution control dam (PCD)	45 511 m ³ /a	Wetland system 1; Seep wetland (S1)	Yzermyn 96 HT Ptn 1	27°12'57.1"S 30°18'40.6"E
21(g)	Tanks associated with the PCD system	0.3ha	Wetland system 1; Seep wetland (S1)	Yzermyn 96 HT Ptn 1	27°12'54.74"S 30°18'33.84"E
21(g)	Bio-Mite Sewerage treatment plant	0.1ha	Wetland system 2; Seep wetland (S2)	Yzermyn 96 HT Ptn 1	27°13'05.5"S 30°18'53.6"E
21(g)	Sewage solids from treatment process to be temporarily stored	0.1ha	Within 500m of wetland system 1 & 2; Seep wetland (S1 & S2)	Yzermyn 96 HT Ptn 1	27°13'05.5"S 30°18'53.6"E
21(g)	Wastewater Treatment Plant	8861 m ³ /a	Within 500m of wetland system 1 & 2; Seep wetland (S1 & S2)	Yzermyn 96 HT Ptn 1	27°13'10.5" 30°18'45.2"E

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