

ANNEXURE D:

CORRESPONDENCE WITH THE DWA'S DAM SAFETY OFFICE

Enslin, Johann

From: Letswalo Morokwe [LetswaloM2@dwa.gov.za]
Sent: 14 April 2014 12:37 PM
To: Enslin, Johann
Cc: Nortje Jan; Hoareau Ivor (DBN)
Subject: RE: Classification of Farm Dams along the Mpopfana River in KwaZulu Natal
Attachments: SKMBT_60114041412130.pdf

Afternoon Mr Enslin

Please see attached for the registration details of the registered dams.

From the unknown dams, only one need to be classified. The others are less than the required safety risk.

Farm Dam Number (see attached map)	Farm Dam Name	Estimated Capacity	Comment
1	Unknown	$16 \times 10^3 m^3$	Registration not required in terms of dam safety legislation
2	Unknown	$0.12 \times 10^6 m^3$	Needs to be registered
3	Unknown	$38 \times 10^3 m^3$	Registration not required in terms of dam safety legislation
4	Unknown	$19 \times 10^3 m^3$	Registration not required in terms of dam safety legislation
5	Unknown	$28 \times 10^3 m^3$	Registration not required in terms of dam safety legislation
6	Greendoch Dam	See Attached	Registered
7	Beacons Vlei Dam	See Attached	Registered

Kind Regards

M.M. Letswalo

Graduate Trainee

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Pretoria

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From: Nortje Jan
Sent: Monday, April 14, 2014 10:25 AM
To: Letswalo Morokwe
Cc: johann.enslin@aecom.com
Subject: FW: Classification of Farm Dams along the Mpopfana River in KwaZulu Natal
Importance: High

Morokwe

Could you please handle this enquiry?

- Send registration details of registered dams to Mr Enslin.
- Check capacity of unregistered dams and indicated whether they should be registered. We should then follow those up with Mr Ivor Hoareau of DWA: KZN.

Kind Regards

Jan Nortje

Chief Engineer: Dam Safety Office

Department of Water Affairs

Private Bag X313, PRETORIA, 0001

Sedibeng Building 171,

185 Francis Baard St (previously Schoeman St), Pretoria

Tel: 012 336 8010 E-mail: NortjeJ@dwa.gov.za

From: Enslin, Johann [<mailto:johann.enslin@aecom.com>]

Sent: Monday, April 14, 2014 9:33 AM

To: Nortje Jan

Cc: Badenhorst, Danie

Subject: Classification of Farm Dams along the Mpofana River in KwaZulu Natal

Importance: High

Beste Jan:

Ek vertrou dat dit nog goed gaan aan daardie kant, en hoop dat jy my moontlik behulpsaam sal kan wees. Ek rig my navraag hieronder in Engels.

As part of the MMTS-2 (Spring Grove Dam) we are busy to investigate the impacts of overflows from the Break Pressure Tank, at Gowrie Village at Nottingham Road, on seven (7) downstream farm dams along the Mpofana River in KZN. The owners of these are concerned about the impact of these overflows on their dams, and for this reason the TCTA commissioned this study. We did a cursory assessment of the possible classification of these dams, but Danie Badenhorst also requested me to contact DWA to establish whether DWA has these seven farm dams on record and whether they have been classified by DWA. Please note that this work is also for DWA, since DWA will be the owner of the scheme. The co-ordinates and particulars of these seven dams are summarised in **Table 1** below. I also attach a map (**Annexure A.pdf**) that was compiled from Google Earth for ease of reference.

Table 1: Summary of the Seven Farm Dams along the Mpofana River

Farm Dam Number (see attached map)	Farm Dam Name	Latitude	Longitude
1	Unknown	29°21'36.21"	30°00'09.31"
2	Unknown	29°21'41.50"	30°00'20.88"
3	Unknown	29°21'55.62"	30°01'32.41"
4	Unknown	29°21'53.20"	30°01'35.53"
5	Unknown	29°21'51.11"	30°01'39.23"
6	Greendoch Dam	29°22'15.66"	30°01'50.47"
7	Beacons Vlei Dam	29°23'05.58"	30°03'26.58"

Please do not hesitate to let me know should you require any additional information from us in this regard. Many thanks.

Kind regards:

Johann Enslin

14 April 2014

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Monday, April 14, 2014

Department of Water Affairs - Dam Safety Office
**Registration Details of a Dam Registered in terms of Dam Safety
Legislation of Chapter 12 of the National Water Act (Act No. 36 of 1998)**

(Please note that registration for dam safety legislation is not an entitlement for water use in terms of Chapter 4 of the National Water Act)

Departmental File No. : 12/2/ U201/CC **WARMS Dam ID:**
Water management area 11 **Dam Status:** DAM **Drainage Nr:**
Name of dam GREENDOCH DAM 15.66
Latitude 29 22 15.66 **Longitude** 30 1 50.47 **Lat sec:** 15.66
Long sec: 50.47
Town nearest: NOTTINGHAM ROAD
Distance from town (km) 2

Name of farm
District **Region:** KWAZULU NATAL
Province: KWAZULU NATAL

Date of completion 0
Completion date for raising
River MPOTANA RIVER
Wall type UNKNOWN
Wall height (m) 9
Crest length (m) 0
Spillway
Capacity (1000 cub. m) 100
Surface area of water (ha) 0 **Catchment area (sa km)**
Purpose IRRIGATION

Owner **Person in Control (if not the same as the owner)**

GREENE I.M. GREENE I.M.
P.O. BOX 62 P.O. BOX 62
NOTTINGHAM ROAD NOTTINGHAM ROAD
3280 3280
Tel no. 0333 - 36838 Tel no. 0333 - 36838
Cell no. Cell no.
Fax no. Fax no.

Designer

Contractor

Registration date:

Size Small **Hazard Rating:** Low **Category** 1
Classification date: 8/6/1992 **Date Last DSI:**

Date Completion certificate:

Number Last DSI: 0

Monday, April 14, 2014

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Legislation of Chapter 12 of the National Water Act (Act No. 36 of 1998)**

(Please note that registration for dam safety legislation is not an entitlement for water use in terms of Chapter 4 of the National Water Act)

Departmental File No. : 12/2/ U201/AO **WARMS Dam ID:**
Water management area 11 **Dam Status:** DAM **Drainage Nr:** U20B
Name of dam BEACONVLEI DAM **Lat sec:** 5.58
Latitude 29 23 5.58 **Longitude** 30 3 26.58 **Long sec:** 26.58
Town nearest: HOWICK
Distance from town (km) 25
Name of farm WILDE ALS SPRUIT 1085
District **Region:** KWAZULU NATAL
Province: KWAZULU NATAL
Date of completion 1960
Completion date for raising
River MPOFANA RIVER
Wall type EARTHFILL
Wall height (m) 7
Crest length (m) 110
Spillway BYWASH
Capacity (1000 cub. m) 650
Surface area of water (ha) 20 **Catchment area (sq km)**
Purpose RECREATION
Owner **Person in Control (if not the same as the owner)**
CLIFFE C.R. TRUST MR
BEACON VLEI DREW R.C.
PO BALGOWAN P.O. BOX 14
BALGOWAN
3275 3275
Tel no. 03324-4486 **Tel no.** 083 456 7233
Cell no. **Cell no.**
Fax no. **Fax no.**
Designer **Contractor**
UNKNOWN UNKNOWN
Registration date: 7/25/1989
Size Small **Hazard Rating:** Significant **Category** 2
Classification date: 12/28/1989 **Date Last DSI:** 3/30/2004
Date Completion certificate: **Number Last DSI:** 2