

**Application for:**

1. **An Environmental Authorization in terms of the National Environmental Management Act (Act 107 of 1998).**
2. **A Water Use License Application in terms of Section 21 of the National Water Act (Act 36 of 1998).**

April 2014

**S24G APPLICATION FOR THE CONSTRUCTION  
OF A DAM AT THE RAPTORS VIEW HOUSING  
ESTATE  
RAPTORS VIEW HOME OWNERS ASSOCIATION  
HOEDSPRUIT, LIMPOPO**

*LEDET REF: (12/1/9/S24G-M11)*

**1 INTRODUCTION**

The Raptors View Home Owners Association (RVHOA) runs the Raptors View Housing Estate in Hoedspruit, Limpopo. A dam wall along a draining line feeding into the Sandspruit from the Hoedspruit town was built in 2008.

The dam wall was constructed on the Remainder of Portion 1 of the farm Happylands no 241, Registration Division KT.

This dam approximately 1250 squared metres and estimated capacity of approximately 6250 cubic meters and attenuation ponds of approximately 406 squared metres was built between 2008 and 2010 to attenuate high volumes of storm water emanating from the town of Hoedspruit. (See Plan 1 and Plan 2 appended to this BID). This dam is upstream of a much larger existing dam that was built in the 1970's. Both dams slow water feeding into the Sandspruit River. There are two adjacent attenuation ponds that feed into the dam, these are also represented on the plans. They are used to hold grey water and storm water emanating from the school building.

An environmental rectification application is required for the dam built in the drainage line. The application was compiled and submitted to the Limpopo Department Economic Development, Environment and Tourism (LEDET). This application will be subject to a S24G process in terms of NEMA (National Environmental Management Act (107 of 1998).

As part of the rectification authorisation process a full Public Participation Process (PPP) will be required. This BID forms the initial phase of the PPP.

**2 PROJECT DESCRIPTION**

The dam wall was constructed using local soil and building sand as well as gabion bricks to hold the structures in place and prevent erosion.

The dam wall was constructed to attenuate storm water emanating from the town of Hoedspruit and to prevent entry of water that may have periodic contamination due to excessively dirty storm water and potential sewage leaks from the sewerage collection point upstream of the site.

**PURPOSE OF THIS  
DOCUMENT**

- To identify the role players relevant to the project.
- To give information on the proposed project and related activities.
- To provide an overview of the legislative background.
- To provide an overview of the process.
- To describe the Public Participation Processes and how this fits into the process.
- To assist YOU to register as an Interested & Affected Party (I&AP) to participate in the process.
- To provide the opportunity for feedback from all I&APs.

## ACRONYM DEFINITIONS:

BA: Basic Assessment Report

BID: Background Information Document

LEDET: Limpopo Department of Economic Development, Environment and Tourism

DWA: Department of Water Affairs

EIA: Environmental Impact Assessment

EMP: Environmental Management Plan

I&AP: Interested and Affected Party

IWULA: Integrated Water Use License Application

NEMA: National Environmental Management Act (NEMA), (Act 107 of 1998) as amended (Act 62 of 2008)

NEM:AQA: National Environmental Management: Air Quality Act

NEM: BA: National Environmental Management: Biodiversity Act

NEM:WA: National Environmental Management: Waste Act

NWA: National Water Act

PPP: Public Participation Process

ROD: Record of decision

The dam has two attenuation ponds directly linked to it, allowing for slowed water movement into the dam and treatment of grey water generated from the school. The dam prevents this water from entering the Sandspruit river which is downstream of the dam. This falls under the Olifants catchment.

The dam also acts as a return water dam, where water collected in the dam is utilised for irrigation on the adjacent school field. This is in order to encourage the recycling of storm water for use in other applications around the site.

This dam filters water through a bioswale and allows storm water collected from Hoedspruit to filter out slowly whilst being used for irrigation as well.

### **3 ROLE PLAYERS**

Raptors View Home Owners Association (RVHOA) are the applicant regarding the environmental rectification applications being sought.

An Environmental Rectification Application (S24G) will be submitted to the Limpopo Department of Economic Development, Environment and Tourism (LEDET), the lead authority in terms of NEMA and a S24G rectification process will be followed.

In addition to the NEMA process, the current Integrated Water Use License (IWULA) will be updated and aligned, in terms of Section 21 of the National Water Act, 1998 (Act 36 of 1998) (NWA). The lead authority is the Department of Water Affairs (DWA).

Tellurian Environmental are independent environmental consultants contracted to undertake the necessary specialist studies as well as applications mentioned above.

### **4 NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA)**

An application for environmental authorisation can only be made for scheduled NEMA activities. As such Raptors View Home Owners Association (RVHOA) will be submitting an application in terms of NEMA for authorisation of future, proposed activities associated with the project.

Once a reference number has been issued, a letter will be circulated to all Interested and Affected Parties (I&AP's) indicating the final activities applied for as well as the relevant reference number.

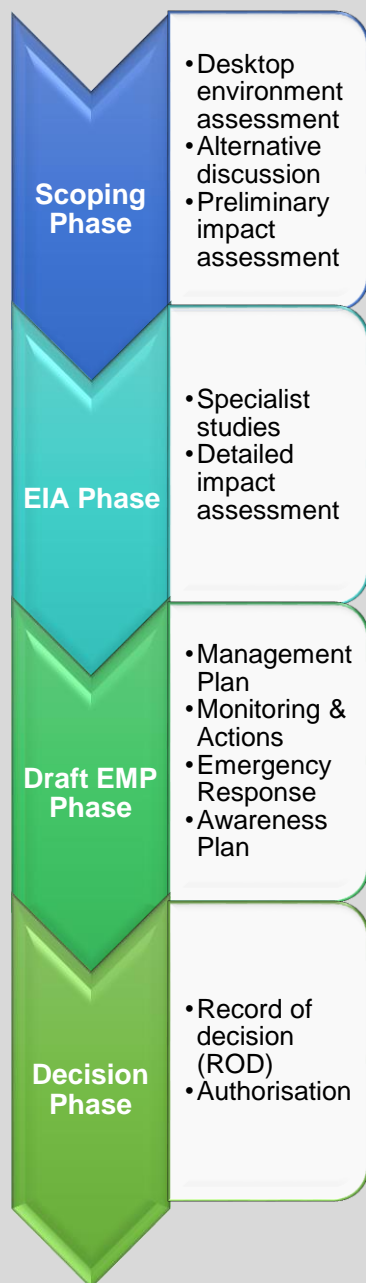
#### **4.1 Application for Environmental Authorisation (NEMA)**

As mentioned above, an application is required for the rectification of the above activities. An application for environmental authorisation will be compiled and submitted to LEDET. This application will be subject to a S24G rectification process.

The following listed activities are anticipated to be associated with the construction of the dam (this should be considered a draft list):

- **GN R. 386, Activity 1 (m)**: The construction of facilities or infrastructure, including associated structures or infrastructure, for:
- any purpose in the one and ten year flood line of a river or stream, or within 32 metres from the bank of a river or stream where the flood line is unknown, excluding purposes associated with existing residential use but including –
- (i) canals
- (ii) channels;
- (iii) bridges;
- (iv) dams, and:
- (v) weirs;

## Scoping, EIA / EMP Process:



## WHAT IS A WATER USE LICENSE APPLICATION?

Certain water uses need to be licensed with the Department of Water Affairs. This is typical for larger, more complex residential, industrial or urban developments where water uses include abstraction of water, storing of water in dams, irrigation, sewerage effluent, river crossings etc.

**GN R. 386, Activity 4:** The dredging, excavation, infilling, removal or moving of soil, sand or rock exceeding 5 cubic metres from a river, tidal lagoon, tidal river, lake, instream dam, floodplain or wetland.

## **6 NATIONAL WATER ACT (NWA) – WATER USE LICENSE APPLICATION:**

In terms of Section 21 of the NWA, all water uses that are not deemed to be Schedule 1 uses must be licensed with DWA. An integrated water use license (IWULA) will be submitted to the Department of Water Affairs (DWA).

The following water uses have been identified as current uses on site:

- Section 21(c): Impeding or diverting the flow of water in a watercourse (construction of dam wall);
- Section 21(i): Altering the bed, banks, course and characteristics of a watercourse (construction of dam wall).

Any other water uses identified will be incorporated into the application.

### **6.1 Water Management Technical Document**

A simple feasible, implementable plan for selected water users based upon site specific programmes and sensitivity of the receiving water resource, as well as upstream and downstream cumulative impacts of water use activities. This report also includes a simple implementable management plan.

## **7 SPECIALIST STUDIES**

Specialists studies will be included to determine the current environmental status and to determine impacts to specific aspects that the current and future operations will have on the local environment. The following specialist studies have been identified and will be utilised / undertaken in support of the above-mentioned application:

- Desktop Hydrological (Surface Water) Assessment.

## **8 PUBLIC PARTICIPATION PROCESS (PPP)**

This BID is the initial stage of the public participation process (PPP). Public involvement is an essential component of the process. It addresses the right of Interested and Affected Parties (I&APs) to be informed of the proposed activities and to be involved in decisions that affect them. It also affords the environmental practitioner the opportunity to assess and address the issues and concerns raised by I&APs, thus allowing us to assess all the potential impacts of the proposed project.

### **8.1 How do YOU register to be involved in the process**

We encourage you to review the information presented to you in this background information document (BID) and to register as an I&AP for the project. Anyone who has a direct stake or anyone who has general interest in the project can register as an I&AP. **YOU CAN REGISTER BY:**

- Completing the attached response sheet and returning it to us on or before the **1<sup>st</sup> of June 2014. This is the comment period for the draft report.**
- By contacting us and registering your name, contact details, postal address, email address or facsimile to ensure any documents can be delivered to you.
- By responding to newspaper adverts or posters and contacting us directly with your details.
- By submitting your comments on any of the reports generated through the various authorisation processes to us.

## **8.2 Our Contact Details:**

Janavi Jardine

Tel: (011) 267 2620

Post:

Postnet #405

Fax: 086 667 1720

Private Bag X43,

E-mail: janavi@tenv.co.za

Sunninghill, 2157

## **8.3 YOUR Involvement Phase**

Kindly, complete the attached questionnaire and return this to the address / fax number indicated above. The purpose of this questionnaire is to register you as an I&AP and to highlight any environmental or socio-economic impacts you may be aware of / concerned about in order that these be sufficiently addressed.

Please contact us should you know of any other person / organisations that could potentially be affected, or that would benefit from participating in the PPP.

The environmental reports will be made available for public review and comment prior to submission of a final document to the authorities. All registered I&APs will be notified of the reports' availability.

# RAPTORS VIEW HOME OWNERS ASSOCIATION

## RAPTORS VIEW ESTATE DAM RESPONSE SHEET

Please assist us by filling this response sheet and returning it to 086 667 1720

### Question 1: Personal Information

Name and Surname	
Farm Name/Organisation	

### Question 2: To what extent has the background information document met your expectations?

Please tick (✓) one (1) of the following:

Completely	<input type="checkbox"/>
Satisfactory	<input type="checkbox"/>
Partly	<input type="checkbox"/>
Not at all	<input type="checkbox"/>

If your expectations have not been met, please indicate why?


### Question 3: Has the background information document provided you with sufficient information about the project?

Please tick (✓) one (1) of the following:

Completely	<input type="checkbox"/>
Satisfactory	<input type="checkbox"/>
Partly	<input type="checkbox"/>
Not at all	<input type="checkbox"/>

If your expectations have not been met, please indicate why?

Insufficient information provided	<input type="checkbox"/>
Information provided was too technical	<input type="checkbox"/>

### Question 4: Please specify what aspects of the project you are interested in.

Please tick (✓) one (1) of the following:

All aspects	<input type="checkbox"/>	Employment opportunities	<input type="checkbox"/>
Eco-tourism	<input type="checkbox"/>	Business opportunities	<input type="checkbox"/>
Air pollution, noise, dust visual pollution	<input type="checkbox"/>	Local economic development	<input type="checkbox"/>
Ground and/or surface water pollution	<input type="checkbox"/>	Future of your town	<input type="checkbox"/>
Natural habitat: land and animal Life	<input type="checkbox"/>	Please specify the town:	<input type="checkbox"/>
Health, safety and security	<input type="checkbox"/>		
Other (please specify)			

### Question 5: Are you aware of any of the following with regards to the proposed project (please specify details below):

Please tick (✓) which is applicable and detail below (if need be please attached separate page):

Potential Physical Impacts	<input type="checkbox"/>
Potential Social Impacts	<input type="checkbox"/>
Potential sites of cultural significance (potential heritage sites, graves etc.)	<input type="checkbox"/>
Rare or endangered animals and / or plants	<input type="checkbox"/>

### Question 6: Are there any other questions or concerns that you have about the project?

[Kindly specify below and the project team will respond to these in due course]


### Question 7: Are there any other parties or organisations that you think should know about the project?


### Question 8: Do you want to be kept informed about the future stages of this study and remain registered as an I&AP?


Please tick (✓) one (1) of the following:

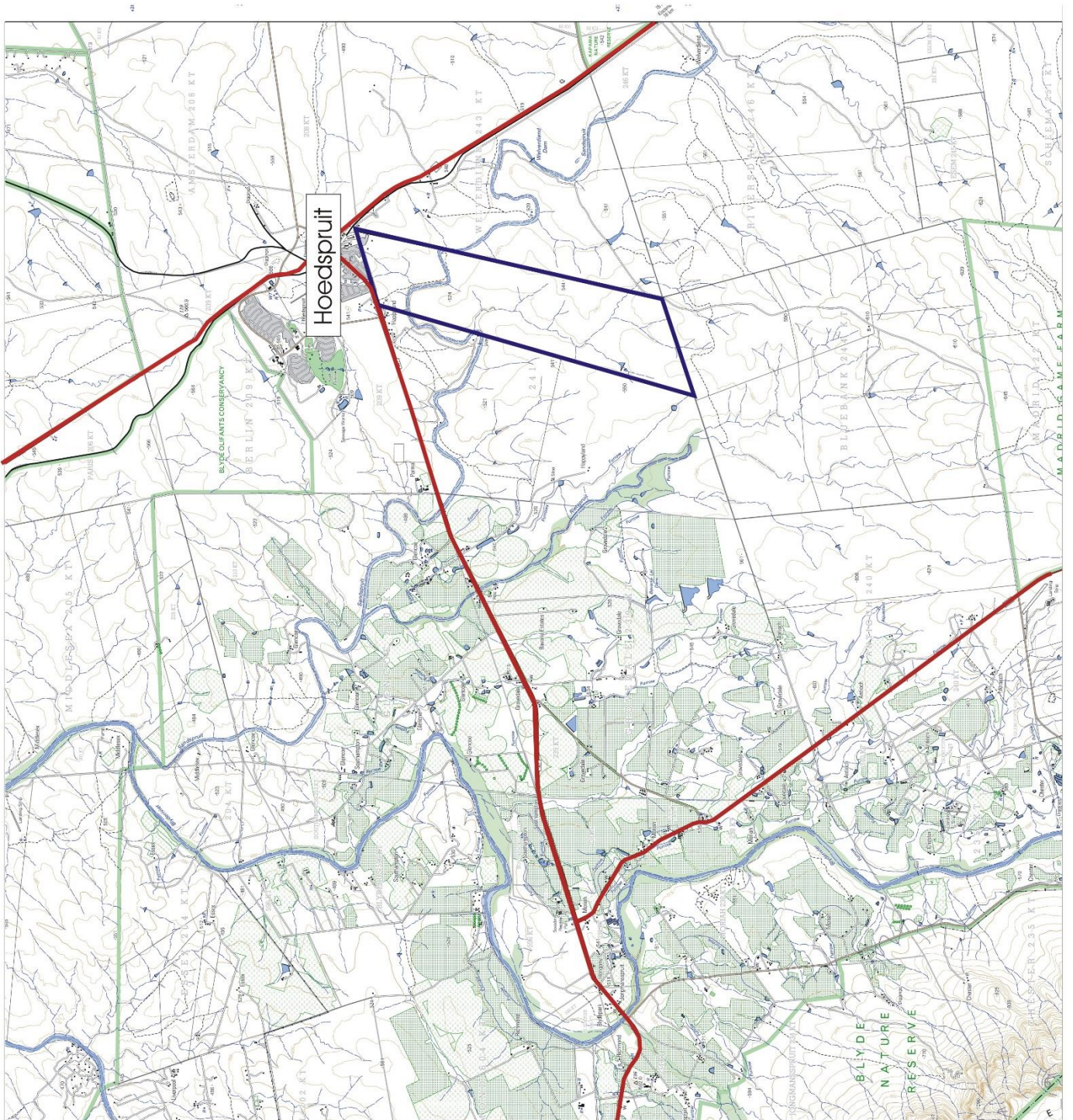
No thank you!	<input type="checkbox"/>
Yes please!	<input type="checkbox"/>

Tel:	
Fax:	
Cell:	
Email:	
Postal Address:	

# Plan 1: Regional Setting:

<b>LEGEND</b>  <ul style="list-style-type: none"> <li> Property Boundary</li> <li> Main Roads</li> <li> Rivers</li> <li> Contour Lines</li> <li> Cultivated Land</li> <li> Residential Areas</li> <li> Protected Area Boundary</li> </ul>	<b>TITLE:</b> Raptors View Locality Plan
	<b>DRAWN BY:</b> Janavi Jardine Associate Environmental Practitioner
	<b>DATE:</b> March 2014
	<b>CLIENT:</b> Raptors View Home Owners Association
	<b>PROJECT:</b> Raptors View 24G Application
	<b>LOCATION:</b> Hoedspruit Limpopo
	<b>SCALE:</b>  1:500m
	<b>REFERENCE:</b> SA Topographical Maps: 2430BD


**TELLURIAN**  
 Managing your environmental risk  
 Unit DT1 Knightsbridge Manor  
 33 Sloane str  
 Bryanston  
 2157  
 011 267 2620  
 086 532 2483



# Plan 2: Local Setting:

<b>LEGEND</b>   <b>RV Estate Property Boundary</b>  <b>Main Road</b>  <b>Water Body</b>  <b>Contours</b>  <b>Construction Dam &amp; Attenuation Ponds</b>	<b>TITLE:</b> Raptors View Locality Plan
	<b>DRAWN BY:</b> Janavi Jardine Associate Environmental Practitioner
	<b>DATE:</b> April 2014
	<b>CLIENT:</b> Raptors View Home Owners Association
	<b>PROJECT:</b> Raptors View 24G Application
	<b>LOCATION:</b> Hoedspruit Limpopo
<b>SCALE:</b>  500m	
<b>REFERENCE:</b> SA Topographical Maps: 2430BD	
 Unit D1 Knightsbridge Manor 33 Sicane str Bryanston 2157 011 267 2620 086 532 2483	

