

WATER COMMITTEE ACTIONS

Actions from meeting on 04 October 2017, including additional information

Statement and Actions	Comment	Person Responsible	Due Date
Statement: We cannot bargain getting water from the Eerste Rivier			
1. Assess Water Consumption			
Determine the amount of water required for the vineyards and also for consumption by owners and or tenants on the estate should be established so as to give guidelines to professionals such as Ian de Jager for comment and also possible solutions and then cost estimates.	This information is available in terms of the; <ul style="list-style-type: none"> • Vineyard • Domestic Use • Winery • Lifestyle 	Tobie, Nico and Rikus	18 Oct
2. Additional Sources of Water			
2a Boreholes			
Borehole No 1 (the original one) next to Dam No 1: This borehole was drilled to a depth of + 84m but the pump was installed at a depth of only + 64m. It could be feasible, after confirmation from the testing of the capacity of this borehole, to install a new pump deeper if this will increase its production. Action: Determine if going deeper will yield additional water	Appoint a Contractor to undertake investigations, cost and plan	Tobie with the support of Oom Ben/ Awie/Elton/Leo /Gert	
Borehole No 2 (the new borehole) next to Dam No 3. Action: Both the current boreholes must be tested for performance i.e. for effective continuous delivery. This will dictate whether we would possibly need an additional borehole(s).	Appoint a Contractor to undertake investigations, cost and plan	Tobie with the support of Oom Ben/ Awie/Elton/Leo /Gert	
<i>*Determine the process and cost for processing the borehole water so that it meets</i> <ul style="list-style-type: none"> • <i>Vineyard requirements</i> • <i>Personal consumption</i> 	Appoint a Contractor to undertake investigations, cost and plan	Tobie with the support of Oom Ben/ Awie/Elton/Leo /Gert	
Build a pump house and have a pump for: a) Irrigation	Appoint a Contractor to	Tobie with the support of	

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b) Domestic use	undertake investigations, cost and plan	Oom Ben/ Awie/Elton/Leo /Gert	
2b Runoff Water			
The pipe system for the runoff water from erven which borders the vineyards on their western side			
a) Check whether still being in a proper working order	What is still working properly	Oom Ben	20 th Oct
b) be properly cleaned out	What is to be cleaned out?	Oom Ben	20 th Oct
c) Awie will provide detail iro the lining of the run off ditches as well an initial Bill of Quantities. This must be included in the proposal to made by lan de Jager		Awie	18 Oct
2c) Power to drive the pumps			
The feasibility must be investigated of generating our own power (1) to be used to drive the pumps if there is a power cut and (2) Become independent of Eskom.	Appoint a Contractor to undertake investigations, cost and plan		
2d) Effluent solution			
<i>*Determine with the 3 Estates; Olive, Kelderhof and CVE the feasibility of installing pipping form the effluent plant .</i>	<i>Appoint a Contractor to undertake investigations, cost and plan with Olive and Kelderhof</i>		
<i>Action: Tobie to provide the project plan agreed between Olive, Kelderhof and CVE</i>		<i>Tobie</i>	<i>18 Oct</i>
3. Enhancing storage capacity			
Cleaning out dams			
3a) Dam No 1 next to the Kramat Road (water from the Eerste River flows into this dam and water from Borehole No 1 can be pumped into this dam - however this is not done because of the salinity of the water);			
3b) Dam No 2 the middle dam (first option if the dams are to be cleaned to improve capacity) If however anything is to be done to Dam No 2 provision must be made to be able to also pump water from Dam No 1. Ben van Zyl already got a quote to redirect one of the pumps to Dam No 1.	Appoint a Contractor to undertake investigations, cost and plan		
<i>*3c) Determine the cost of the water purification from Dam 2 to 3</i>	<i>Appoint a Contractor to undertake</i>	<i>Tobie / Grant Hatch</i>	

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	<i>investigations, cost and plan</i>		
<p>3d) Dam No 3 next to Olive Estate Currently water could only be pumped from Dam No 3 to Dam No 2 and water extracted (by both available pumps) from Dam No 2. It is proposed to clean out and deepen the vlei area next to the currently ploughed land north west of Dam No 3 (a) install a bladder (plastic reservoir) with sufficient capacity (to be estimated by Ian de Jager)</p>	Appoint a Contractor to undertake investigations, cost and plan		
(b) Build a treatment plant next to dam 3 (details to be proposed by Ian de Jager). We must get certainty iro the handling of the high concentrate outflow from the envisaged water treatment plant. Possibly using the same route as the overflow from the Olive Estate dam.	Appoint a Contractor to undertake investigations, cost and plan		
(c) Material from the excavation is to be used to create a berm next to the reservoir	What will the volume be?		
4 Consultancy advice			
Ian de Jager to send us a list of information he needs to be able to prepare a scoping report. He must be officially appointed if his proposals are acceptable and provide proposals	What are Ian's credential, cost of fees and availability to deliver	IJ	Date?
Ian De Jager undertook to come back with guidelines and also proposals.		IJ	Date?
The proceedings as for any civil engineering project contract must be followed: I. appointing a consulting engineer to prepare a tender document II. obtaining tenders from identified contractors III. the appointment of a chosen contractor Management of the construction by the consulting engineer in consultation with the client.	Civil engineering required for? Have we consulted with Nico as to whom Eikendal used?		

*items added to these minutes for completeness that was not discussed at this meeting but before.