

| SCOPING REPORT COMMENTS RECEIVED - POSTMANSBURG WWTW |         |                                                                                                                                                                                                                                                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
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| Date                                                 | Issue   | Comment                                                                                                                                                                                                                                                                                                                                                                       | I&AP           | Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Respondent      |
| 22-Oct-14                                            | General | I am an I&AP. (I live next to erf 125.) Please send the Draft Scoping Report if you can. Put me on your mail list. My initial response is positive.                                                                                                                                                                                                                           | Johan Booysens | Noted. You have been registered as an Interested and Affected Party, and as such, will be notified and sent a copy of the Final Scoping Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EnviroAfrica CC |
| 03-Nov-14                                            |         | I have been residing at the address listed below for 25-years and during this time experienced the shortcomings of the current pumped sewage system on a first-hand basis. Without elaborating in detail on the tribulations that the inhabitants of West Street had to endure, I would like to state the following points about the current system and the proposed project: | Johan Booysens |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EnviroAfrica CC |
|                                                      |         | Against:                                                                                                                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
|                                                      |         | a.The pumps and its control system have proved to be unreliable and subject to frequent malfunctioning.                                                                                                                                                                                                                                                                       |                | Noted. The proposed new WWTW is designed to address this. The new WWTW proposes to address this issue by eliminating all the pump stations within Postmasburg with the exception of Boichoko Pump Station No.1 and Boichokko Pump Station No.2. The new system will entirely be a gravity system thereby eliminating problems with electrical and mechanical maintenance such as experienced currently.                                                                                                                                                                                                                                                                                                                          | Bvi Engineers   |
|                                                      |         | b.Sometimes the system is incapacitated for prolonged periods.                                                                                                                                                                                                                                                                                                                |                | Noted. The proposed new WWTW is designed to address this. Postmasburg town has 4 pump stations which feed wastewater to the wastewater treatment plant located at a high point south of Postmasburg. The pump stations are dependant on electricity and/or standby generators as well as regular maintenance. To avoid these shortcomings in future, the 4 pump stations in Postmasburg will be eliminated and replaced with a gravity system. The proposed new position of the wastewater treatment plant will make this possible, thereby eliminating these problems.                                                                                                                                                          | Bvi Engineers   |
|                                                      |         | c.During such periods effluent overflows freely into the vlei.                                                                                                                                                                                                                                                                                                                |                | Noted. The proposed new WWTW is designed to address this. The natural topography of Postmasburg is such that the Groewater Spruit is the lowest point in town. All sewage must therefore drain in this direction. The existing main sewer running within the Groewater Spruit is a 300mm Clay pipe with manholes below the 1 in 50 year flood line. This means that any blockage or pumpstation malfunction leads to uncontrolled spillage of sewage into the Groenwater Spruit. The new design will completely replace this sewer with new manholes constructed to a level above the floodline and also eliminate the pump stations which will address this problem and eliminate the frequent spillages experienced currently. |                 |

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|  |  | d.At several positions the slope of the river is such that multiples of 100m <sup>3</sup> of water dams up and subsequently becomes putrid with concomitant weeks long stench. |  | Noted. The proposed new WWTW is designed to address this. The new design will be such that spillage of sewage into the Groenwater Spruit will be eliminated for all practical purposes. If there is no more spillage, there will no longer be any damming and generation of odours taking place. All the visible surface water in the Groenwater Spruit is not always sewage. There are several natural springs within the Groenwater Spruit which cause visible water to be present all the time, even when there is no spillage. The damming of this water is caused by natural ridges and the uncontrolled growth of aquatic plants occurring naturally within the water course. If these are removed periodically, allowing free drainage of water downstream, this problem will be entirely eliminated. | Bvi Engineers   |
|  |  | e.Seepage into, and contamination of, the ground water table occur.                                                                                                            |  | Noted. A Geohydrological Impact Assessment will be conducted, and included in the Environmental Impact Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EnviroAfrica CC |
|  |  | f.The capacity of the current system is inadequate and is being overwhelmed during peak flows.                                                                                 |  | Noted. The proposed new WWTW is designed to address this                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EnviroAfrica CC |
|  |  | g.Several other factors such as cost and maintenance are not addressed.                                                                                                        |  | This will be addressed in the Environmental Impact Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EnviroAfrica CC |
|  |  | In favour:                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |
|  |  | a.The pong will go away.                                                                                                                                                       |  | Noted. The proposed WWTW is expected to address this.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EnviroAfrica CC |
|  |  | b.The waste water will run with gravity and also a fair distance out of town.                                                                                                  |  | Noted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EnviroAfrica CC |
|  |  | c.The new system will save a lot of energy (electricity) and thus save money.                                                                                                  |  | Noted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EnviroAfrica CC |
|  |  | d.It will have better sustainability during prolonged power interruptions or outages.                                                                                          |  | Noted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EnviroAfrica CC |
|  |  | e.The laying of pipes on the South side of the river bank will have a minimal environmental impact.                                                                            |  | Noted. A Botanical and Freshwater Impact Assessment will be conducted, and included in the Environmental Impact Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EnviroAfrica CC |

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| 02-Dec-14 |  | The proposed WWTW site will be directly beside the house and therefore will have a huge effect on my property.                                                                                                                                        | J.H Karsten | Noted. Please take note that the proposed Postmasburg WWTW is currently only in the planning phase, and no detail design has to date been conducted. The exact position of the WWTW is still to be determined. If this project goes ahead, the complete property would most probably need to be bought out from the existing owners. The proximity of any private properties as well as the final position of the WWTW will be carefully considered during the detail design phase of the project. If the project continues, the typical scenario will then be that the land in question will be bought out by the municipality. Generally, it is done by getting an independent Valuator who will determine the value of the land in question. Given that the house adjacent to the proposed development probably belongs to the same owner, it would be pertinent to purchase this also, although this is not guaranteed at this stage. Taking into account that this land is already zoned for agricultural use, it is doubtful whether the construction of the proposed new WWTW will impact on this significantly, as improvements such as a house and storage shed on agricultural land rarely impact on the price per hectare when selling or buying, but it is of course possible due to the possible nuisance factor associated with wastewater treatment plants. If it is to be properly operated, it should have a minimal impact. | EnviroAfrica CC, Bvi Engineers |
|           |  | The sewer main also runs through both my properties, will this be underground or above ground level.                                                                                                                                                  |             | The majority of the pipeline is expected to be below ground level. It is envisaged at this point in time, that the sewer main will be constructed as a submerged pipeline below groundlevel over it's entire length.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bvi Engineers                  |
|           |  | The properties (Erf 764, 779) are our main income and therefore I want to know if you will buy our properties because after this project it will have no use or value anymore.                                                                        |             | Noted. If this project goes ahead and sufficient funding for construction can be found, it would most probably result in either a portion of the affected properties or possibly the entire property being purchased by the municipality for the planned and future development of the WWTW. This will be addressed in the Environmental Impact Report phase of the application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Bvi Engineers                  |
|           |  | Our main concern is that if the project goes forward our borehole water will be contaminated. We need assurance from you, in writing, that this will not take place and that our borehole water will not be affected in any way by your proposed plan |             | This will be assessed in the Geohydrological Impact Assessment, and will be included in the Environmental Impact Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EnviroAfrica CC                |

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| 09-Dec-14 |            | I would like to be bring the following to your attention. The property (Portion 3 of Farm 475 Olynfontein) is the property of RMM Karsten, who can be considered as the main affected party in this matter. To date, no one involved in this development has approached her and we would like to know what the position is in this regard.                                                                                                                                                                                                                                                                             | J.A Karsten                                                    | Noted. The title deeds that were received for Portion 3 of Farm 475, indicated that the property was in the name of HJH Karsten and RMM Karsten. A postal address for JH Karsten was obtained from the municipality, and as such, notification letters were sent to that address. The Interested and Affected Party list has been updated, and you, as owner of Portion of Farm 475, will be registered and notified of teh availability of any further reports, which will provide more details of the proposed development. Please also note that the Proposed Postmasburg WWTW is currently only in the planning phase, and the Municipality and/or representative will enter into discussions with the Landowners in future. | EnviroAfrica CC |
|           |            | I, JA Karsten also own a residence on the property and must also be considered as an Interested and Affected Party.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                | Noted. You have been registered as an Interested and Affected Party, and as such, will be notified and sent a copy of the Final Scoping Report and Environmental Impact Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EnviroAfrica CC |
|           |            | We would like to know what the planning is around this application and request that a meeting can be convened with us so that we can get clarity about this matter                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                | Noted. You have been registered as an Interested and Affected Party, and as such, will be notified and sent a copy of the Final Scoping Report. Please also note that the Proposed Postmasburg WWTW is currently only in the planning phase, and the Municipality and/or representative will enter into discussions with the Landowners in future.                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 22-Oct-14 | Vegetation | The clearing of 10ha of vegetation consisting predominantly of the indigenous bush encroacher, <i>Acacia melifera</i> , is not much of a concern. A greater concern is the sewer line route along the Groenwater Spruit. The potential impact of tree roots on the sewer line may be problematic if the sewer line is placed in close contact with tree roots, more so if there is a leakage in the line. It is recommended that "bio-barrier" or a similar product be wrapper around the sewer pipeline during construction. It would prohibit tree roots growing towards the sewer line, without affecting the trees | Jacoline Mans. Department: Agriculture, Forestry and Fisheries | Noted. This will be addressed in the Environmental Impact Report, with comment from the Botanical Specialist and engineers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EnviroAfrica CC |
| "         |            | Kindly ensure that you assess the potential impact on protected trees (if any) and try to place the infrastructure, especially the sewer pipeline along the Groenwater Spruit area, in areas where protected trees can be avoided.                                                                                                                                                                                                                                                                                                                                                                                     | "                                                              | Noted. This will be addressed in the Botanical Assessment and the Environmental Impact Report (EIR). A Freshwater Assessment will also be conducted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EnviroAfrica CC |
|           |            | Please supply this office with a copy of the Biodiversity Assessment for comments (when available)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | "                                                              | Noted, the Biodiversity Assessment will be included in the Environmental Impact Report (EIR), when available. A copy of the Draft and Final EIR will be sent to your office for comment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EnviroAfrica CC |
| 02-Feb-15 | Design     | Should we not be looking for a monitoring borehole next to/downstream from the new WWTW, to monitor the Groundwater condition/quality (This is based on the fact that the majority of Postmasburg drinking water is provided from Boreholes)                                                                                                                                                                                                                                                                                                                                                                           | Johan Kotze                                                    | Noted. As per the Geo-hydrological Impact Assessment (Appendix 4A of the draft EIR), a groundwater monitoring network should be implemented at and down-gradient of the proposed WWTW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EnviroAfrica CC |
|           |            | In order to assume that current sewer pump stations (except Boichoko) will be redundant, a new sewer line need to be installed from Airfield to Groenwater spruit as well as a possible upgrade of the sewer line in the Groenwater spruit from the North East of Postmasburg to current Sewer pump station 1. As these are pre-conditions for the proposed WWTW to function, should these pipelines not be included in this Environmental Assessment?                                                                                                                                                                 | "                                                              | Please refer to the Preliminary Design Report (Appendix 3A of the Draft EIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EnviroAfrica CC |